

Laboratory Refrigerators and Freezers

- ▶ Refrigerators and Upright Freezers
- ▶ Bloodbank Refrigerators and Freezers
- ▶ Chest Freezers
- ▶ Temperature Monitoring and Recording Systems
- ▶ Recirculating Chillers

Laboratory Refrigerators and Freezers

A

Laboratory Refrigerators and Upright Freezers

-86 °C to +10 °C / 7 litres to 1380 litres

B

Bloodbank Refrigerators, Plasma Storage Cabinets

Bloodbank: +2 °C to +6 °C / 100 litres to 1255 litres
Plasma: -14 °C to -45 °C / 70 litres to 241 litres

C

Refrigerator/Freezer Combinations

Refrigerator: +1 °C to +10 °C / 77 litres to 290 litres
Freezer: -10 °C to -30 °C / 6,5 litres to 290 litres

D

Laboratory Chest Freezers

-5 °C to -86 °C / 8 litres to 701 litres

E

Temperature Monitoring and Recording Systems

-110 °C to +600 °C

F

Laboratory Recirculating Chillers, Water-to-Water Heat Exchanger

310 W to 15.6 kW

Annex: Selection from Catalogue “Inventory Systems“

Interesting Links:

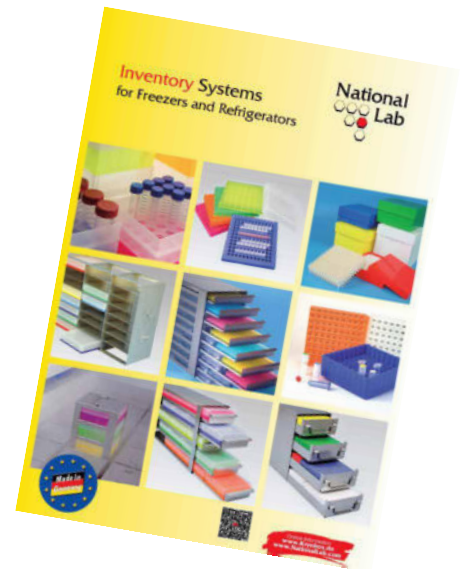
www.Kryobox.de

www.Probenaufbewahrung.de

www.Proficool.de

www.NationalLab.eu

www.Weinkuehlung.org



Matching storage systems can be found in our catalogue "Inventory Systems for Freezers and Refrigerators".



www.NationalLab.com

Tel.: +49 45 42 / 84 91 - 70
 Fax: +49 45 42 / 84 91 - 71
 e-Mail: LabSales@NationalLab.com

National Lab GmbH
 Grambeker Weg 157
 D-23879 Moelln

Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- Micro-processor driven temperature controller with digital display and password protection
 - Visual/audible alarm device, mains-independent
 - Alarm warning for excess and insufficient temperature
 - Power failure alarm
 - Probe failure alarm
 - Temperature controller failure alarm
 - Door alarm
 - Integrated data logger with USB port
- No-volt remote alarm contact for connection to an alarm system on the premises
- RS 485 port
- Prepared for GSM alarm
- External housing made of white, galvanized steel plate, optional made of stainless steel (CNS)
- Lockable door, door hinges on right
- Insulated inner doors to minimize cold air loss
- Interior made of stainless steel CNS
- Height adjustable feet



ProfiLine Pegasus PLPE 0186EWN (With accessories Inventory Systems. See sep. brochure.)

Model ProfiLine Pegasus PLPE 0186EWN

Temperature range	°C:	-40/-86
Content	litres (gross):	7
Ext. dimensions (WxDxH)	mm:	400x630x665
Int. dimensions (WxDxH)	mm:	150x143x310
Depth with door opened	mm:	960
Weight	kgs:	54
Mains connection	:	1/N/PE ~ 230 V 50-60 Hz
Shipping dimensions (WxDxH)	mm:	500x820x860
Shipping weight	kgs:	69
Refrigerant CFC- and HCFC-free	:	EP88



ProfiLine Pegasus + Accessories: Outside / Inside Cat. No.

ProfiLine Pegasus PLPE 0186EWN white / CNS GSPLPE0186EWN

ProfiTec Temperature Monitoring and Recording System (see sep. brochure) GPTEC4A

ProfiCaller telephone dialler (see sep. brochure) on request

Pt-100 temperature sensor, add. installed for ext. temperature recording. ZXX2-020-2L

CO₂ back-up system, free-standing. ZXX2-093

Facilities for customer connection of CO₂ back-up system. ZPLPE2-094

MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. ZXX2-019-011

An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.

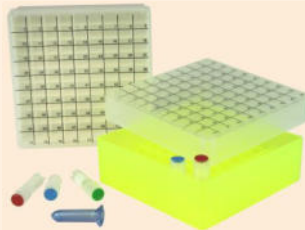
Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100

Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

Storage system alternatives with boxes up to external dimensions (WxD) 136x136 mm.



Plastic boxes made of Polypropylene



Boxes and grid dividers made of fiberboard



Plastic boxes made of Polycarbonate



Plastic boxes made of Polypropylene



Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- Most reliable and less complicated compressor technology from Danfoss
- Electronic control with digital display
 - Visual/audible alarm device
 - Power failure alarm
- No-volt remote alarm contact for connection to an alarm system on the premises
- Rechargeable battery for full retention of all controller features
- Lockable door, door hinges on right
- Interior made of stainless steel CNS (hygienic and easy to clean)
- Duct to storage compartment



ProfiLine Pegasus PLPE 0486
(With accessories Inventory Systems.
See sep. brochure.)

Model ProfiLine Pegasus PLPE 0486

Temperature range	°C:	-60/-80
Content litres	litres (gross):	35
Ext. dimensions (WxDxH)	mm:	490x650x670
Int. dimensions (WxDxH)	mm:	330x355x300
Depth with door opened	mm:	1070
Weight	kgs:	60
Mains connection	:	1/N/PE ~ 230 V 50-60 Hz
Shipping dimensions (WxDxH)	mm:	800x600x875
Shipping weight	kgs:	80
Refrigerant CFC- and HCFC-free	:	EP88

Alternative units: ProfiMaster PMU0452.

ProfiLine Pegasus + Accessories:

	Cat. No.
ProfiLine Pegasus PLPE 0486	GSPLPE0486
ProfiTec Temperature Monitoring and Recording System (see sep. brochure).	GPTEC4A
ProfiCaller telephone dialler (see sep. brochure).	on request
Temperature recorder, 7 days, circular chart.	on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.	ZXX2-020-2L
CO ₂ back-up system, free-standing.	ZXX2-093
Facilities for customer connection of CO ₂ back-up system.	ZPLPE2-094
Storage set (see below).	on request
Stainless steel insert with drawers (see below).	see table
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.	ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.	
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.	ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.	

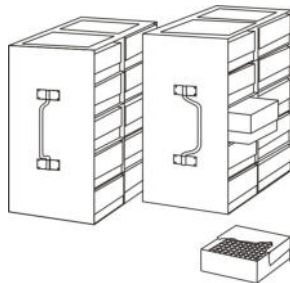
ProfiTec Intelligent Temperature Monitoring and Recording System



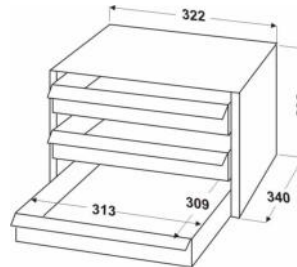
- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

Storage System alternatives

Storage Set (modifiable)



Stainless Steel Insert with 3 Drawers (modifiable)



Drawers	Height (mm)	Cat. No.
2	140	ZPLPE3-002
3	91	ZPLPE3-003
4	67	ZPLPE3-004
5	52	ZPLPE3-005
6	43	ZPLPE3-006
7	36	ZPLPE3-007
8	31	ZPLPE3-008
9	27	ZPLPE3-009
10	24	ZPLPE3-010

Height= Effective internal height of each drawer

Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.



Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- Micro-processor driven temperature controller with digital display and password protection
 - Visual/audible alarm device, mains-independent
 - Alarm warning for excess and insufficient temperature
 - Power failure alarm
 - Probe failure alarm
 - Door alarm
 - Integrated data logger with USB port
- No-volt remote alarm contact for connection to an alarm system on the premises
- RS 485 port
- Prepared for GSM alarm
- External housing made of white, galvanized steel plate
- Lockable door, door hinges on right
- Insulated inner doors to minimize cold air loss
- Interior made of stainless steel CNS
- Duct to storage compartment
- front feet of cabinet allow for height adjustment, two castors at rear



ProfiLine Pegasus PLPE0686EWN



ProfiLine Pegasus PLPE1286EWN

Model ProfiLine Pegasus	PLPE0686EWN	PLPE1286EWN
Temperature range	°C: -40/-86	-40/-86
Content litres	litres (gross): 55	94
Ext. dimensions (WxDxH)	mm: 600x700x815	950x725x810
Int. dimensions (WxDxH)	mm: 360x505x310	360x493x530
Compartments/inner doors	: 1/1	2/2 (2x260 mm in height)
Depth with door opened	mm: 1200	1225
Weight	kg: 80	100
Mains connection	: 1/N/PE ~ 230 V 50-60 Hz	1/N/PE ~ 230 V 50-60 Hz
Shipping dimensions (WxDxH)	mm: 660x800x1000*	1010x800x1000*
Shipping weight	kg: 100*	130*
Refrigerant CFC- and HCFC-free	: Mix	Mix

* Shipping in a wooden crate.

Model	Outside / Inside	Cat. No.
PLPE0686EWN	white / CNS	GSPLPE0686EWN
PLPE1286EWN	white / CNS	GSPLPE1286EWN

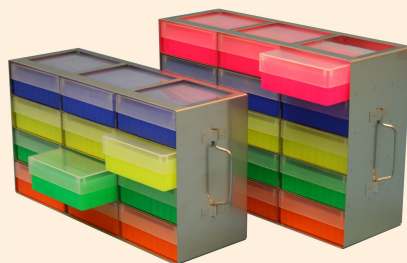
ProfiTec Temperature Monitoring and Recording System (see sep. data sheet). **GPTEC4A**
 ProfiCaller telephone dialler (see sep. brochure). **on request**
 Pt-100 temperature sensor, add. installed for ext. temperature recording. **ZXX2-020-2L**
 CO₂ back-up system, free-standing. **ZXX2-093**
 Facilities for customer connection of CO₂ back-up system. **ZPLPE2-094**
 MIN/MAX digital thermometer. Hand-held unit with digital display as **ZXX2-019-011**
 data-hold and relative measuring function. Measuring range -200/+1370 °C.
 An add. temperature sensor is required, eg. Cat. No. ZXX2-022-100.
 Temperature sensor for MIN/MAX thermometer ZXX2-019-011. **ZXX2-022-100**
 Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

ProfiTec Intelligent Temperature Monitoring and Recording System

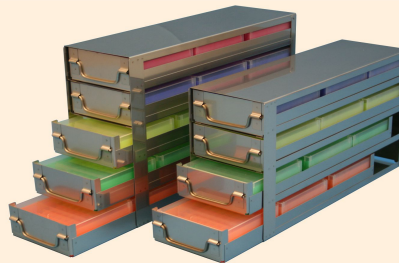


- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact

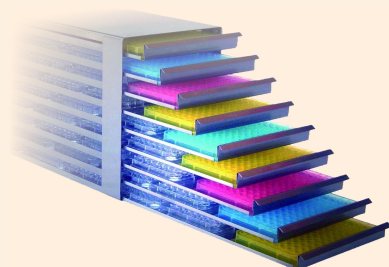
Storage System Alternatives



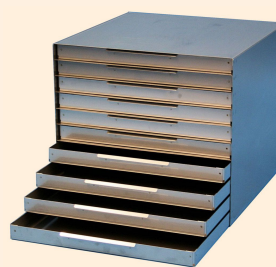
Stainless steel horizontal racks



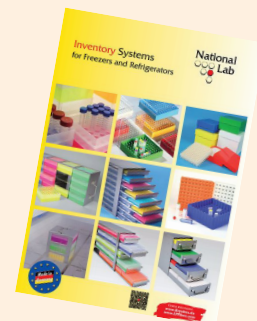
Stainless steel drawer racks



Microtiter stainless steel drawer racks



Stainless steel insert with drawers



Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.



Laboratory Upright Freezer ProfiMaster PMU

- Alternatively with forced air circulation or static cooling
- Micro-processor driven temperature controller with digital display
 - Alarm device with independent circuit, visual/audible
 - No-volt remote alarm contact for connection to an alarm system on the premises
 - RS 485 port
- Exterior case contains stainless steel (CNS)
- Door lockable, door hinges on right
- Interior made of stainless steel (CNS)
- 1 height adjustable shelf
- Duct to storage compartment
- Height adjustable feet



ProfiMaster PMU0452EEN

Model ProfiMaster		PMU0452EEU	PMU0452EEN
Temperature range	°C:	-10/-45	-10/-45
	:	Other temperature ranges available on request.	
	:	Forced air circulation	Static cooling
Content	litres (gross):	43	54
Ext. dimensions (WxDxH)	mm:	720x805x670	720x805x670
Int. dimensions (WxDxH)	mm:	480x275x330	480x340x330
Weight	kgs:	68	65
Mains connection	:	1/N/PE ~ 230 V 50 Hz	1/N/PE ~ 230 V 50 Hz
Shipping dimensions (WxDxH)	mm:	820x905x770	820x905x770
Shipping weight	kgs:	77	74
Refrigerant CFC- and HCFC-free	:	R507	R507

ProfiMaster + Accessories

Outside / Inside

Cat. No.

ProfiMaster PMU0452EEU	CNS / CNS	GSPMU0452EEU
ProfiMaster PMU0452EEN	CNS / CNS	GSPMU0452EEN

ProfiTec Temperature Monitoring and Recording System (see sep. brochure). GPTEC4A

- ProfiCaller telephone dialler (see sep. brochure). on request
- Pt-100 temperature sensor, add. installed for ext. temperature recording. ZPM2-023-2L
- Shelf 440x248 mm (WxD) for PMU0452EEU in the fan area. ZPMU4-440x248
- Shelf 440x310 mm (WxD). ZPMU4-440x310
- Angular guide rails for shelf (1 pair). ZPMU4-024
- Stainless steel insert with drawers (see below). Boxes optional. on request
- Stainless steel horizontal racks. on request
- MIN/MAX thermometer to be placed in refrigerators or freezers. ZXX2-019-001
- Measuring range -50/+50 °C, an add. temperature sensor is not required.
- MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. ZXX2-019-011
- An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.
- Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100
- Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

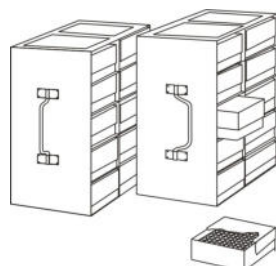
Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

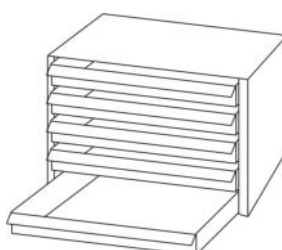


Storage System Alternatives

Stainless steel horizontal racks (modifiable)



Stainless steel insert with drawers (modifiable)



Laboratory Refrigerator LabStar Sanguis LSSA

- Alternatively with forced air circulation or static cooling, automatic defrost and condensate evaporation
- Micro-processor driven temperature controller
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - Probe failure alarm
 - Door alarm
 - Integrated data logger
 - USB port for data download
- No-volt remote alarm contact for connection to a remote alarm system
- External housing made of white corrosion-resistant, galvanized steel plate with PVC finish
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 2 height adjustable shelves in tilt-resistant guide rails, made of stainless steel CNS
- Interior made of stainless steel CNS
- 4 castors, 2 height adjustable feet at rear



LabStar Sanguis LSSA1105EWU

Model LabStar Sanguis	LSSA1105EWU	LSSA1105GEWU	LSSA1105EWN
	Glass door		
Temperature range	°C: +2/+12	+2/+12	+2/+12
	< Forced air circulation >		Static cooling
Content	litres (gross): 100	100	100
Ext. dimensions (WxDxH)	mm: 600x600x850	600x600x850	600x600x850
Int. dimensions (WxDxH)	mm: 475x440x460	475x440x460	475x430x460
Depth with door opened	mm: 1135	1135	1135
Shelves	: 2	2	2
Weight	kgs: 73	76	73
Mains connection	:	< 1/N/PE ~ 230 V 50 Hz >	
Shipping dimensions (WxDxH)	mm: 680x680x1050	680x680x1050	680x680x1050
Shipping weight	kgs: 84	87	84
Refrigerant CFC- and HCFC-free	: R134a	R134a	R134a

LabStar Sanguis + Accessories:	Outside / Inside	Cat. No.
LabStar Sanguis LSSA1105EWU	white / CNS	GSLSSA1105EWU
LabStar Sanguis LSSA1105GEWU	white, glass door / CNS	GSLSSA1105GEWU
LabStar Sanguis LSSA1105EWN	white / CNS	GSLSSA1105EWN

- ProfiTec Temperature Monitoring and Recording System (see sep. brochure). GPTEC4A
- ProfiCaller telephone dialler (see sep. brochure). on request
- Pt-100 temperature sensor, add. installed for ext. temperature recording. ZXX2-020-2L
- SMS alarm (to 5 mobile numbers maximum). on request
- Circular chart recorder for 7 days. Mains-independent. on request
- 7-day circular charts. Pck. of 100 pieces. on request
- Battery-BackUp-System for full retention of all controller features incl. alarm in the event of power failure (for up to 48 hours). on request
- Ex-Version „Interior free of ignition sources“ (LSSA1105EWN only). ZLSSA1-070
- Stainless steel shelf, 444x410 mm (WxD). ZLSSA4-444x410
- Guide rails for stainless steel shelf (1 pair). ZLSSA4-023
- Drawer with telescopic slide-out, made of CNS. ZLSSA4-001
- Internal dividers for drawer. 1 set consisting of 3 dividers. ZLSSA4-010
- MIN/MAX thermometer to be placed in refrigerators or freezers. ZXX2-019-001
- Measuring range -50/+50 °C, an add. temperature sensor is not required. ZXX2-019-011
- MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. ZXX2-022-100
- An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. ZXX2-022-100
- Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100
- Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. on request
- Export version with special voltages / frequencies. on request

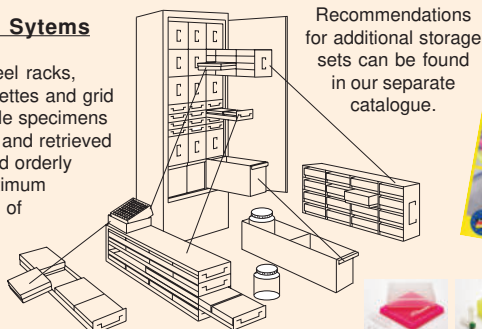
ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.



MIN/MAX digital thermometer with add. temperature sensor

Laboratory Upright Freezer LabStar Sanguis LSSA

- Static cooling and manual defrost
- Micro-processor driven temperature controller
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - Probe failure alarm
 - Door alarm
 - Integrated data logger
 - USB port for data download
- No-volt remote alarm contact for connection to a remote alarm system
- External housing made of white corrosion-resistant, galvanized steel plate with PVC finish
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 2 drawers with telescopic slide-out
- Interior made of stainless steel CNS
- 4 castors, 2 height adjustable feet at rear



LabStar Sanguis LSSA1130EWN

Model LabStar Sanguis LSSA1130EWN

Temperature range	°C:	-10 / -30
		Static cooling
Content	litres (gross):	100
Ext. dimensions (WxDxH)	mm:	600x600x850
Int. dimensions (WxDxH)	mm:	475x440x460
Depth with door opened	mm:	1135
Drawers	:	2
Weight	kgs:	81
Mains connection	:	1/N/PE ~ 230 V 50 Hz
Shipping dimensions (WxDxH)	mm:	680x680x1050
Shipping weight	kgs:	92
Refrigerant CFC- and HCFC-free	:	R290

LabStar Sanguis + Accessories: Outside / Inside Cat. No.

LabStar Sanguis LSSA1130EWN	white / CNS	GSLSSA1130EWN
ProfiTec Temperature Monitoring and Recording System (see separate data sheet).		GPTEC4A
ProfiCaller telephone dialler.		on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.		ZXX2-020-2L
Circular chart recorder for 7 days. Mains-independent.		on request
7-day circular charts. Pck. of 100 pieces.		on request
Battery-BackUp-System for full retention of all controller features incl. alarm in the event of power failure (for up to 48 hours).		on request
Ex-Version „Interior free of ignition sources“.		ZLSSA1-070
Internal dividers for drawer. 1 set consisting of 3 dividers.		ZLSSA4-010
MIN/MAX thermometer to be placed in refrigerators or freezers.		ZXX2-019-001
Measuring range -50/+50 °C, an add. temperature sensor is not required.		
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.		ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.		
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.		ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.		
USB data logger to be placed in refrigerators or freezers.		

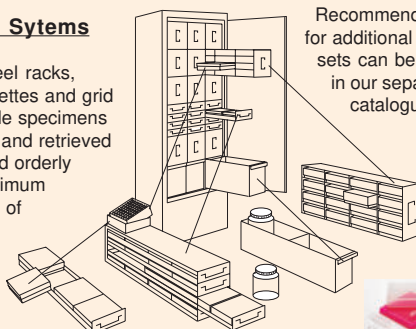
ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
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Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.



MIN/MAX digital thermometer with add. temperature sensor



Tel.: +49 45 42 / 84 91 - 70
 Fax: +49 45 42 / 84 91 - 71
 e-Mail: LabSales@NationalLab.com

National Lab GmbH
 Grambeker Weg 157
 D-23879 Moelln



Reg. LSSA1130-DB-EN-171115

Performance figures at an ambient temperature of + 25 °C and a relative humidity of 60 %.

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**auch mit Volltür
verfügbar**



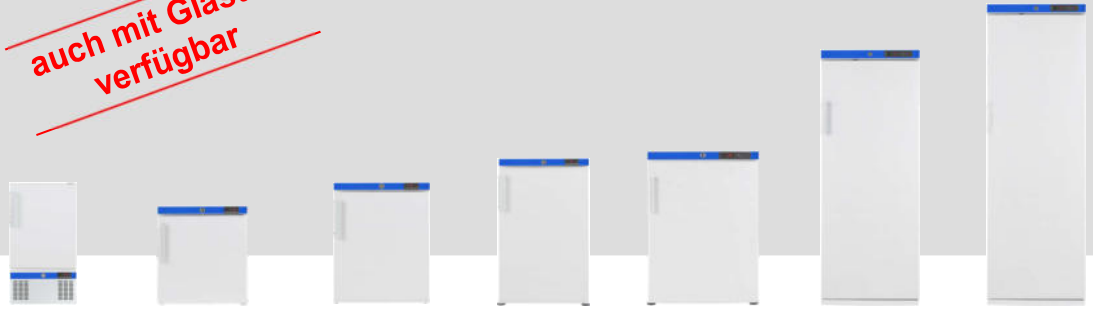
Modell Nr.	ML0407GWU	ML0507GWU	ML0807GWU	ML1007GWU	ML1507GWU	ML3007GWU	ML3507GWU
Temperaturbereich	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C
Umluft	ja	ja	ja	ja	ja	ja	ja
Abtauung (automatisch / manuell)	automatisch	automatisch	Automatisch	automatisch	automatisch	automatisch	automatisch
Elektronikregler	ja	ja	ja	ja	ja	ja	ja
Referenzfühler	nein	ja	nein	nein	ja	ja	ja
Digitalanzeige	ja	ja	ja	ja	ja	ja	ja
Temperaturalarm optisch / akustisch	ja	ja	ja	ja	ja	ja	ja
Über- und Untertemperaturalarm	ja	ja	ja	ja	ja	ja	ja
Türalarm	ja	ja	ja	ja	ja	ja	ja
Potentialfreier Alarmkontakt	ja	ja	ja	ja	ja	ja	ja
Außengehäuse	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert
Farbe	weiß	weiß	weiß	weiß	weiß	weiß	weiß
Türschloss	ja	ja	ja	ja	ja	ja	ja
Türtyp	Glastür	Glastür	Glastür	Glastür	Glastür	Glastür	Glastür
Türanschlag	nicht wechselbar	wechselbar	wechselbar	wechselbar	wechselbar	nicht wechselbar	nicht wechselbar
Türdichtung	nicht wechselbar	nicht wechselbar	nicht wechselbar	nicht wechselbar	nicht wechselbar	wechselbar	wechselbar
Innenraum	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß
Innenbeleuchtung	nein	ja	nein	nein	ja	ja	ja
Nutzraumdurchführung Ø 16 mm	nein	ja	nein	nein	ja	ja	ja
„Innenraum frei von Zündquellen“	nein	nein	nein	nein	nein	nein	nein
Gitterauflagen (Anzahl)	2	1	2	2	3	5	6
Auflagepositionen (Anzahl)	5	3	2	4	6	12	14
Maße Gitterauflage (mm) (BxTxH)	270x308x6	416x200x6	438x274x6	427x374x6	496x405x6	4: 500x385x6 1: 497x340x6	500x385x6
Drahtkörbe (Anzahl)	0	1	1	1	1	1	1
Optionales Schubladensystem	ja	ja	ja	ja	ja	ja	ja
Verstellbare Füße (Anzahl & Position)	2 Füße vorne	4 Füße	nein	1 Fuß vorne	4 Füße	2 Füße vorne 2 Rollen hinten	2 Füße vorne 2 Rollen hinten
Inhalt (l), brutto	41	47	82	107	158	273	353
Inhalt (l), netto	35	30	67	103	154	269	349
Breite (mm)	379	480	502	495	595	595	595
Tiefe (mm)	500	505	540	620	642	625	640
Tiefe bei geöffneter Tür (mm)	810	905	976	1050	1130	1180	1180
Höhe (mm)	702	565	660	830	850	1565	1860
Innenmaße (mm) (BxTxH)	245x310x400	400x230x415	419x315x540	403x400x700	500x450x725 Stufe (TxH): 165x185	480x445x1382 Stufe (TxH): 175x255	480x445x1682 Stufe (TxH): 175x265
Gewicht (kg)	25,5	20	30	36,5	38,5	68,5	79
Netzanschluss	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz
Versandbreite (mm)	700	700	700	700	700	700	700
Versandtiefe (mm)	750	750	750	750	750	750	750
Versandhöhe (mm)	890	890	825	1000	1075	1735	2035
Versandgewicht (kg)	32,5	27,0	37	43,5	45,5	75,5	86
Kältemittel FCKW- / HFCKW-frei	R600a	R600a	R600a	R600a	R600a	R600a	R600a



Weitere Ordnungssystemvorschläge finden Sie in unserem separaten Katalog.
Bitte fordern Sie Ihren persönlichen Einrichtungsvorschlag an.



**auch mit Glasür
verfügbar**



Modell Nr.	ML0407WU	ML0507WU	ML0807WU	ML1007WU	ML1507WU	ML3007WU	ML3507WU
Temperaturbereich	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C	+2 °C bis +8 °C
Umluft	ja	ja	ja	ja	ja	ja	ja
Abtauung (automatisch / manuell)	automatisch	automatisch	automatisch	automatisch	automatisch	automatisch	automatisch
Elektronikregler	ja	ja	ja	ja	ja	ja	ja
Referenzfühler	nein	ja	nein	nein	ja	ja	ja
Digitalanzeige	ja	ja	ja	ja	ja	ja	ja
Temperaturalarm optisch / akustisch	ja	ja	ja	ja	ja	ja	ja
Über- und Untertemperaturalarm	ja	ja	ja	ja	ja	ja	ja
Türalarm	ja	ja	ja	ja	ja	ja	ja
Potentialfreier Alarmkontakt	ja	ja	ja	ja	ja	ja	ja
Außengehäuse	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert
Farbe	Weiß	weiß	weiß	weiß	weiß	weiß	weiß
Türschloss	ja	ja	ja	ja	ja	ja	ja
Türtyp	Volltür	Volltür	Volltür	Volltür	Volltür	Volltür	Volltür
Türanschlag	nicht wechselbar	wechselbar	wechselbar	wechselbar	wechselbar	wechselbar	wechselbar
Türdichtung	nicht wechselbar	nicht wechselbar	nicht wechselbar	nicht wechselbar	nicht wechselbar	nicht wechselbar	nicht wechselbar
Innenraum	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß
Innenbeleuchtung	nein	ja	nein	nein	ja	ja	ja
Nutzraumdurchführung Ø 16 mm	nein	ja	nein	nein	ja	ja	ja
„Innenraum frei von Zündquellen“	nein	nein	nein	nein	nein	nein	nein
Gitterauflagen (Anzahl)	2	1	2	2	3	5	6
Auflagepositionen (Anzahl)	5	3	2	4	6	12	14
Maße Gitterauflage (mm) (BxTxH)	270x308x6	416x200x6	438x274x6	427x374x6	496x405x6	4: 500x385x6 1: 497x340x6	500x385x6
Drahtkörbe (Anzahl)	0	1	1	1	1	1	1
Optionales Schubladensystem	ja	ja	ja	ja	ja	ja	ja
Verstellbare FüÙe (Anzahl & Position)	2 FüÙe vorne	4 FüÙe	nein	1 Fuß vorne	4 FüÙe	2 FüÙe vorne 2 Rollen hinten	2 FüÙe vorne 2 Rollen hinten
Inhalt (l), brutto	41	47	82	107	158	273	353
Inhalt (l), netto	35	30	67	103	154	269	349
Breite (mm)	379	480	502	495	595	595	595
Tiefe (mm)	500	505	540	620	642	625	640
Tiefe bei geöffneter Tür (mm)	810	905	976	1050	1130	1185	1185
Höhe (mm)	702	565	660	830	850	1565	1860
InnenmaÙe (mm) (BxTxH)	245x310x400	400x230x415	419x315x540	403x400x700	500x450x725 Stufe (TxH): 165x185	480x445x1382 Stufe (TxH): 175x 255	480x445x1682 Stufe (TxH): 175x 265
Gewicht (kg)	23,5	17,5	27,5	31,5	33,5	60	69
Netzanschluss	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz
Versandbreite (mm)	700	700	700	700	700	700	700
Versandtiefe (mm)	750	750	750	750	750	750	750
Versandhöhe (mm)	890	825	825	1000	1075	1735	2035
Versandgewicht (kg)	30,5	24,5	34,5	38,5	40,5	67	76
Kältemittel FCKW- / HFCKW-frei	R600a	R600a	R600a	R600a	R600a	R600a	R600a



Weitere Ordnungssystemvorschläge finden Sie in unserem separaten Katalog.
Bitte fordern Sie Ihren persönlichen Einrichtungsvorschlag an.





ML0407GWU



ML0407WU



ML0807GWU



ML0807WU



ML1007GWU



ML1007WU



ML1507GWU



ML1507WU



ML3007GWU



ML3007GWU



ML3007WU



ML3007WU



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Katalog.
Bitte fordern Sie Ihren persönlichen
Einrichtungsvorschlag an.





Modell Nr.	ML0802WU	ML1502WU	ML3002WU
Temperaturbereich	+1 °C bis +5 °C	+1 °C bis +5 °C	+1 °C bis +5 °C
Umluft	ja	ja	ja
Abtauung (automatisch / manuell)	automatisch	automatisch	automatisch
Referenzfühler	nein	ja	nein
Elektronikregler	ja	ja	ja
Digitalanzeige	ja	ja	ja
Temperaturalarm optisch / akustisch	ja	ja	ja
Über- und Untertemperaturalarm	ja	ja	ja
Türalarm	nein	ja	ja
Potentialfreier Alarmkontakt	ja	ja	ja
Außengehäuse	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert
Farbe	weiß	weiß	weiß
Türschloss	ja	ja	ja
Türtyp	Volltür	Volltür	Volltür
Türanschlag	wechselbar	wechselbar	wechselbar
Türdichtung	nicht wechselbar	nicht wechselbar	nicht wechselbar
Innenraum	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß
Innenbeleuchtung	nein	ja	ja
Nutzraumdurchführung Ø 16 mm	nein	nein	nein
„Innenraum frei von Zündquellen“	nein	nein	nein
Gitterauflagen (Anzahl)	2	3	5
Auflagepositionen (Anzahl)	2	6	12
Maße Gitterauflage (mm) (BxTxH)	440x275x6	520x320x6	497x340x6
Schubladen (Anzahl)	0	0	0
Drahtkörbe (Anzahl)	1	1	1
Türablagen (Anzahl)	0	2 (fix)	4 (variabel)
Optionales Schubladensystem	ja	ja	ja
Verstellbare FüÙe (Anzahl & Position)	nein	4 FüÙe	2 FüÙe vorne 2 Rollen hinten
Inhalt (l), brutto	82	158	288
Inhalt (l), netto	67	154	284
Breite (mm)	502	595	595
Tiefe (mm)	540	642	670
Tiefe bei geöffneter Tür (mm)	976	1130	1185
Höhe (mm)	660	850	1570
InnenmaÙe (mm) (BxTxH)	419x315x540 Stufe (TxH): 165x215	500x450x725 Stufe (TxH): 165x210	480x445x1382 Stufe (TxH): 200x260
Gewicht (kg)	27,5	33,5	59
Netzanschluss	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz
Versandbreite (mm)	700	700	700
Versandtiefe (mm)	750	750	750
Versandhöhe (mm)	825	1075	1735
Versandgewicht (kg)	34,5	40,5	66
Kältemittel FCKW- / HFCKW-frei	R600a	R600a	R600a



ML0802WU



ML0802WU mit Ordnungssystem (optional)



ML1502WU



ML3002WU



ML3002WU mit Ordnungssystem (optional)



Weitere Ordnungssystemvorschläge finden Sie in unserem separaten Katalog. Bitte fordern Sie Ihren persönlichen Einrichtungsvorschlag an.





ML0807WN



ML0807WN mit Ordnungssystem (optional)



ML1007WN



ML1007WN mit Ordnungssystem (optional)



ML1507WN



ML1507WN mit Ordnungssystem (optional)



ML3007WN

Modell Nr.	ML0807WN	ML1007WN	ML1507WN	ML3007WN
Temperaturbereich	+2 °C bis +10 °C	+2 °C bis +10 °C	+2 °C bis +10 °C	+2 °C bis +10 °C
Umluft	nein	nein	nein	nein
Abtauung (automatisch / manuell)	automatisch	automatisch	automatisch	automatisch
Referenzfühler	nein	nein	ja	nein
Elektronikregler	ja	ja	ja	ja
Digitalanzeige	ja	ja	ja	ja
Temperaturalarm optisch / akustisch	ja	ja	ja	ja
Über- und Untertemperaturalarm	ja	ja	ja	ja
Türalarm	nein	ja	ja	ja
Potentialfreier Alarmkontakt	ja	ja	ja	ja
Außengehäuse	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert	Stahlblech, lackiert
Farbe	weiß	weiß	weiß	weiß
Türschloss	ja	ja	ja	ja
Türtyp	Volltür	Volltür	Volltür	Volltür
Türanschlag	wechselbar	wechselbar	wechselbar	wechselbar
Türdichtung	nicht wechselbar	nicht wechselbar	nicht wechselbar	nicht wechselbar
Innenraum	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß	Kunststoff, weiß
Innenbeleuchtung	nein	nein	nein	nein
Nutzraumdurchführung Ø 16 mm	nein	nein	ja	ja
„Innenraum frei von Zündquellen“	optional	optional	optional	optional
Gitterauflagen (Anzahl)	2	2	3	5
Auflagepositionen (Anzahl)	2	4	6	5
Maße Gitterauflagen (mm) (BxTxH)	438x274x6	427x374x6	495x325x6	497x340x6
Schubladen (Anzahl)	0	0	0	1
Drahtkörbe (Anzahl)	1	1	1	0
Verstellbare Türablagen (Anzahl)	0	0	2	4
Optionales Schubladensystem	ja	ja	ja	ja
Verstellbare Füße (Anzahl & Position)	nein	1 Fuß vorne	4 Füße	2 Füße vorne 2 Rollen hinten
Inhalt (l), brutto	82	107	158	288
Inhalt (l), netto	67	103	154	284
Breite (mm)	502	495	595	595
Tiefe (mm)	540	620	642	634
Tiefe bei geöffneter Tür (mm)	976	1050	1130	1185
Höhe (mm)	660	830	850	1570
Innenmaße (mm) (BxTxH)	419x315x540 Stufe (TxH): 165x215	403x400x700	500x450x725 Stufe (TxH): 165x185	480x445x1382 Stufe (TxH): 175x255
Gewicht (kg)	27,5	31,5	33,5	58
Netzanschluss	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz
Versandbreite (mm)	700	700	700	700
Versandtiefe (mm)	750	750	750	750
Versandhöhe (mm)	825	1000	1075	1735
Versandgewicht (kg)	34,5	38,5	40,5	65
Kältemittel FCKW- / HFCKW-frei	R600a	R600a	R600a	R600a



Weitere Ordnungssystemvorschläge finden Sie in unserem separaten Katalog.
Bitte fordern Sie Ihren persönlichen Einrichtungsvorschlag an.





ML0422WN



ML0422WN with Inventory System (optional)



ML1226WN



ML1226WN with Inventory System (optional)



ML3126WN

Model No.	ML0422WN	ML1226WN	ML1626WN	ML3126WN
Temperature range	-18 °C to -25 °C	-18 °C to -25 °C	-18 °C to -25 °C	-18 °C to -25 °C
Forced air circulation	no	no	no	no
Defrost (automatic / manual)	manual	manual	manual	manual
Reference probe	no	no	no	no
Electronic controller	yes	yes	yes	yes
Digital display	yes	yes	yes	yes
Temperature alarm visual / audible	yes	yes	yes	yes
Excess and insufficient temp. alarm	yes	yes	yes	yes
Open door alarm	yes	yes	yes	yes
No-volt remote alarm	yes	yes	yes	yes
External finish	painted steel plate	painted steel plate	painted steel plate	painted steel plate
Colour	white	white	white	white
Lock	yes	yes	yes	yes
Door type	solid door	solid door	solid door	solid door
Door hinges	changeable	changeable	changeable	changeable
Door seal	not changeable	not changeable	not changeable	not changeable
Internal finish	plastic, white	plastic, white	plastic, white	plastic, white
Interior light	no	no	no	no
Port hole Ø 16 mm	yes	no	yes	yes
Spark free	optional	optional	optional	optional
Shelves (number)	1	2	3	0
Cooling spirals (number)	0	0	0	5
Shelf positions (number)	1	4	3	5 (fixed)
Shelf size (mm) (WxDxH)	365x190x6	427x374x6	495x325x6	-
Drawers (number)	0	0	0	4 and 2 flaps
Wire baskets (number)	0	1	0	0
Optional drawer system	yes	yes	Yes	yes
Adjustable feet (number & position)	4 feet	1 front foot	4 feet	2 front feet 2 rear rollers
Gross capacity (l)	39	107	98	232
Net capacity (l)	35	103	84	212
External width (mm)	480	495	595	595
External depth (mm)	505	620	642	634
Door open depth (mm)	905	1050	1130	1185
External height (mm)	565	830	850	1570
Internal dimensions (mm) (WxDxH)	360x340x395	403x400x700	420x430x640 step (DxH): 165x185	432x430x1300 step (DxH): 190x255
Product weight (kg)	18	33	37.5	60
Voltage supply	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz	1/N/PE~230 V 50 Hz
Packed width (mm)	700	700	700	700
Packed depth (mm)	750	750	750	750
Packed height (mm)	740	1000	1075	1735
Packed weight (kg)	25	40	44.5	67
Refrigerant type CFC / HCFC free	R600a	R600a	R600a	R600a



Recommendations for additional storage sets can be found in our separate catalogue. Please ask for a personal fitting option.



Laboratory Upright Freezer and Refrigerator/Freezer Combination ProfiFrost

- Maintenance-free cooling system (combination with 2 separate cooling systems)
- Low-noise and low-vibration fully hermetic compressors, air-cooled
- Electronic control with digital display (combination with 2 separate controllers)
- Visual/audible alarm device
 - Alarm warning for excess and insufficient temp.
 - Door alarm
 - MIN/MAX temperature memory
 - No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Duct to storage compartment for external temperature sensors
- External housing made of white, galvanized steel plate
- Self-closing and lockable doors
- Door hinges on right, changeable
- Interior made of white plastic
- Ex-interior free of electrical ignition sources (except for PFU40xxKWU)
- Front feet of cabinet allow for height adjustment, two castors at rear



ProfiFrost PFU16xxWN
(Fig. with optional cryoboxes.
See catalogue.)

Model ProfiFrost	PFU1630WN	PFU1645WN	PFU3530WN	PFU3545WN
Temperature range °C:	-10/-30	-20/-45	-10/-30	-20/-45
Content litres gross/net:	140/130	140/130	310/285	310/285
Cooling system :	static	static	static	static
Defrosting :	manual	manual	manual	manual
Ext. dimensions (WxDxH) mm:	< 600x615x820 >		< 600x615x1840 >	
Int. dimensions (WxDxH) mm:	< 475x450x660 >		< 430x430x1590 >	
Depth with door opened mm:	1190	1190	1175	1175
Number of drawers :	3	3	8	8
Int. dimensions drawer (WxDxH) mm:	< 435x415x110 >		< 420x375x180 > < Lowest drawer D = 220 >	
Number of baskets :	1	1	0	0
Weight kg:	42	42	87	87
Mains connection :	< 1/N/PE ~ 230 V 50 Hz >		< 1/N/PE ~ 230 V 50 Hz >	
Energy consumption kWh/24h:	0.9	1.4	1.3	1.5
Shipping dimensions (WxDxH) mm:	< 700x750x1000 >		< 700x750x2000 >	
Shipping weight kg:	51	51	99	99
Refrigerant CFC- and HCFC-free:	R600a	R290	R600a	R290



ProfiFrost PFU35xxWN
(Fig. with optional cryoboxes.
See catalogue.)

Combination Model ProfiFrost	PFU4030KWU		PFU4040KWU	
	Refrigerator	Freezer	Refrigerator	Freezer
Temperature range °C:	+3/+15	-10/-30	+3/+15	-20/-40
Content litres gross/net:	255/240	110/105	255/240	110/105
Cooling system :	forced air	static	forced air	static
Defrosting :	automatic	manual	automatic	manual
Ext. dimensions (WxDxH) mm:	600x615x2000		600x720x2000	
Int. dimensions (WxDxH) mm:	450x455x1110	455x435x595	450x455x1110	455x435x595
Depth with door opened mm:	1120	1120	1120	1120
Number of drawers freezer comp.:	0	3	0	3
Int. dimensions drawer (WxDxH) mm:	-	420x375x180	-	420x375x180
Number of shelves :	4 grid inserts	2 glass shelves	4 grid inserts	2 glass shelves
Weight kg:	85		90	
Mains connection :	1/N/PE ~ 230 V 50 Hz		1/N/PE ~ 230 V 50 Hz	
Energy consumption kWh/24h:	1.8		2.3	
Shipping dimensions (WxDxH) mm:	700x750x2150		700x750x2150	
Shipping weight kg:	98		103	
Refrigerant CFC- and HCFC-free:	R600a	R600a	R600a	R290



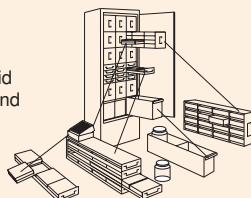
ProfiFrost PFU40xxKWU
(Fig. with inventory system.
See catalogue.)

Options / Accessories:

	Cat. No.
ProfiTec Temperature Monitoring and Recording System (see separate brochure).	GPTEC4A
USB data logger to be placed in refrigerators or freezers.	ZXX2-045-007
Measuring range -35/+80 °C, an add. temperature sensor is not required.	
ProfiCaller telephone dialler.	on request
Pt-100 temperature sensor, add. installed for external temperature recording.	ZPFU2-023-2L
Grid inserts for refrigerator compartment (Combi model only).	ZPFU4-480x420
Drawer with telescopic slide-out for refrigerator compartment (Combi model only).	on request
Duct to storage compartment closed according to BGR 120 / GUV-R 120.	ZPFU1-070
Door hinges factory-mounted on left.	ZPFU5-001
Transport carriage with 4 castors (2 lockable).	ZPFU5-021

Inventory Systems

Stainless steel racks, cryoboxes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.



Labortiefkühlschrank ProfiLine Pegasus PLPE

- Forced air circulation with automatic defrost
- Micro-processor driven temperature controller with digital display and password protection
 - Visual/audible alarm device, mains-independent
 - Alarm warning for excess and insufficient temperature
 - Power failure alarm
 - Probe failure alarm
 - Door alarm
 - Integrated data logger with USB port
- No-volt remote alarm contact for connection to an alarm system on the premises
 - RS 485 port
 - Prepared for GSM alarm
- Lockable door, door hinges on right, can only be changed in factory
- External housing made of white, galvanized steel plate
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable



ProfiLine Pegasus PLPE6042EJU

Model ProfiLine Pegasus PLPE6042

Temperature range	°C:	-10/-40
Content	litres (gross):	618
Ext.dimensions (WxDxH)	mm:	740x870x2017
Int. dimensions (WxDxH)	mm:	600x685x1505
Depth with door opened	mm:	1490
Weight	kgs:	138
Mains connection	:	1/N/PE ~ 230 V 50-60 Hz
Shipping dimensions (WxDxH)	mm:	990x840x2200
Shipping weight	kgs:	167
Refrigerant CFC- and HCFC-free	:	R404A

ProfiLine Pegasus + Accessories:	Outside / Inside	Cat. No.
ProfiLine Pegasus PLPE 6042EJU	white / CNS	GSPLPE6042EJU

ProfiTec Temperature Monitoring and Recording System (see sep. brochure).	GPTEC4A
ProfiCaller telephone dialler.	on request
Circular chart recorder for 7 days.	on request
6" 7-day circular charts. Pck. of 100 pieces.	on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.	ZXX2-020-2L
Grid inserts, 530x650 mm (WxD).	ZPLPE4-530x650
Guide rails for grid inserts (1 pair).	on request
Drawer with telescopic slide-out, made of CNS.	on request
CO2 back-up system, free-standing.	ZXX2-093
Facilities for customer connection of CO2 back-up system.	ZPLPE2-094
MIN/MAX thermometer to be placed in refrigerators or freezers.	ZXX2-019-001
Measuring range -50/+50 °C, an add. temperature sensor is not required.	
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.	ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.	
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.	ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.	

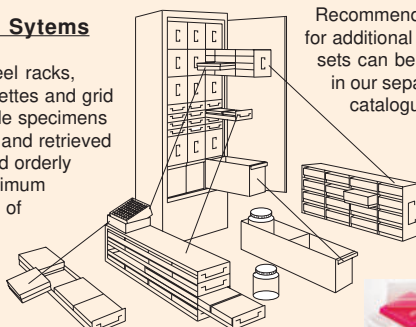
ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.



MIN/MAX digital thermometer with add. temperature sensor



Tel.: +49 45 42 / 84 91 - 70
 Fax: +49 45 42 / 84 91 - 71
 e-Mail: LabSales@NationalLab.com

National Lab GmbH
 Grambeker Weg 157
 D-23879 Moelln

Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- 2 separate, redundant operating cooling circuits for a maximum safety (PLPE7286EWN only)
- Micro-processor driven temperature controller with digital display and password protection
 - Visual/audible alarm device, mains-independent
 - Alarm warning for excess and insufficient temperature
 - Power failure alarm
 - Probe failure alarm
 - Door alarm
 - Integrated data logger with USB port
- No-volt remote alarm contact for connection to an alarm system on the premises
- RS 485 port
- Prepared for GSM alarm
- Lockable door, door hinges on right, can only be changed in factory
- External housing made of white, galvanized steel plate
- Interior made of stainless steel CNS
- 5 compartments with additional inner doors
- Duct to storage compartment for external sensor
- 4 castors, 2 lockable



ProfiLine Pegasus PLPE 4286EWN

Model ProfiLine Pegasus	PLPE4286	PLPE7286
Temperature range °C:	-40/-86	-40/-86
Content litres (gross):	393	642
Number of compressors :	1	2
Ext.dimensions (WxDxH) mm:	720x885x1990	1030x885x1990
Dim. compartment (WxDx mm):	440x595x255	750x595x260
Depth with door opened mm:	1475	1790
Weight kg:	175	242
Mains connection :	1/N/PE ~ 230 V 50-60 Hz	1/N/PE ~ 230 V 50-60 Hz
Shipping dim. (WxDxH)* mm:	840x1040x2200*	1150x1070x2200*
Shipping weight* kg:	244*	388*
Refrigerant CFC- and HCFC-free :	EP88	EP88

* Shipping in a wooden box.

ProfiLine Pegasus + Accessories: Outside / Inside

		Cat. No.
ProfiLine Pegasus PLPE4286EWN	white / CNS	GSPLPE4286EWN
ProfiLine Pegasus PLPE7286EWN	white / CNS	GSPLPE7286EWN
ProfiTec Temperature Monitoring and Recording System (see separate data sheet).		GPTEC4A
ProfiCaller telephone dialler (see sep. brochure).		on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.		ZXX2-020-2L
Circular chart recorder for 7 days.		on request
6" 7-day circular charts. Pck. of 100 pieces.		on request
CO ₂ back-up system, free-standing.		ZXX2-093
Facilities for customer connection of CO ₂ back-up system.		ZPLPE2-094
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.		ZXX2-019-011
An add. temperature sensor is required, eg. Cat. No. ZXX2-022-100.		
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.		ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.		

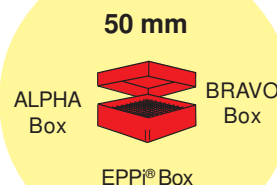
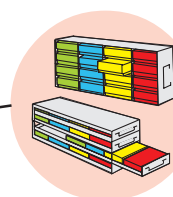
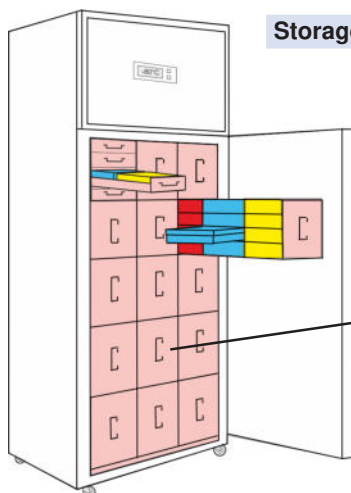
ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact

Storage System (modifiable) for PLPE 4286EWN

5 compartments each with 3 stainless steel racks to hold 16 boxes (height 50 mm) each.
15 x 16 = 240 boxes



Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.



**Laboratory Refrigerator +2 °C to +12 °C
Model LabStar Sanguis LSSA4505GEWU
Content 450 l**



Housing structure

External housing made of white corrosion-resistant, galvanized steel plate, plastic coated. Interior made of stainless steel.

Insulation

60 mm of insulation obtained by injection of high-density ecological polyurethane foam. CFC-free.

Door

Self-closing glass door (double insulating – low emissivity glass), with removable and folding magnetic gasket on four sides for perfect closing. Door hinges on right, changeable on request. Lock.

Light

LED light with automatic switch at door opening. Manual switch on control panel.

Content

450 litres

Shelves

3 shelves made of stainless steel.

Temperature range

Setting between +2 °C and +12 °C. Factory pre-set to +4 °C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser (suitable for tropical countries). Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator. Evaporator fan shuts off during door openings.

Refrigerant

R452A or R290, CFC-free

Defrost

Automatic defrost with condensate evaporation.

Power consumption

336 Watt

Mains connection

1/N/PE ~ 230 V 50 Hz (also 230 V 60 Hz or 115 V 60 Hz on request)

Temperature controller and alarm function

Microprocessor driven temperature controller with digital display. The display indicates menu, actual temperature, set point temperature, date and time as well as model. Password protection for unit settings and switching off. Permanent temperature monitoring with indication of the set point and the alarm messages in the display. Pt1000 probe. Visual and audible alarm device: alarm warning for excess and insufficient temperature, door alarm, condenser efficiency, probe failure alarm, power failure alarm, low battery. USB port for download temperature and alarm data or for reset of the device.

Data logger

To record temperature and alarms registered in last 30 days. Download data via USB port.

Standard fitting

- 3 shelves made of stainless steel
- 4 one-way wheels and two height adjustable feet
- lock
- power cord with EU plug (UK-plug on request)
- protection fuses
- RFI filter
- main switch
- electronic temperature controller with alarm device
- no-volt remote alarm contact
- USB port
- memory for last alarms

Optional accessories

- internal divider for drawers
- 4 castors, 2 lockable
- 5 drawers with telescopic slide-out, made of stainless steel
- circular chart recorder for 7 days. Mains-independent with a 1.5 V battery. Delivery with 52 circular charts and a pen.
- battery back-up system for supply of the temperature control during a power failure to give alarm
- GSM alarm to send SMS alarm messages with date, time, cabinet temperature and type of alarm
- LAN port to connect unit via internet with PC for monitoring correct functioning
- port hole (Ø 25 mm.)

External dimensions and weight

700x800x1840 mm (WxDxH) – 130 kg.

Shipping dimensions and shipping weight

- shipping in a carton on pallet: 750x850x2150 mm (WxDxH) – 145 kg.
- shipping in a wooden crate (optional on request): 840x960x2250 mm (WxDxH) – 195 kg.

Production in accordance with

EC-Directive for low voltage 2014/35/UE, EC-EMC-Directive 2014/30/UE.

The figures do not necessarily show the products in standard version.



**National Lab GmbH
Refrigeration Technology**

Grambeker Weg 157
23879 Moelln, Germany
Tel: +49 45 42 / 84 91-70
E-mail: LabSales@NationalLab.com
www.NationalLab.com • www.Kryobox.de

CE Reg: LSSA4505GEWU-DB-EN-200605

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**Laboratory Refrigerator +2 °C to +12 °C
Model LabStar Sanguis LSSA7005EWU
Content 700 l**



Housing structure

External housing made of corrosion-resistant, galvanized steel plate, plastic coated. Interior made of stainless steel.

Insulation

60 mm of insulation obtained by injection of high-density ecological polyurethane foam. CFC-free.

Door

Self-closing solid door, with removable and folding magnetic gasket on four sides for perfect closing. Door hinges on right, changeable on request. Lock.

Light

LED light with automatic switch at door opening. Manual switch on control panel.

Content

700 litres

Shelves

4 height adjustable shelves. Made of stainless steel.

Temperature range

Setting between +2 °C and +12 °C. Factory pre-set to +4 °C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser (suitable for tropical countries). Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator. Evaporator fan shuts off during door openings.

Refrigerant

R452A or R290, CFC-free

Defrost

Automatic defrost with condensate evaporation.

Power consumption

260 Watt

Mains connection

1/N/PE ~ 230 V 50 Hz (also 230 V 60 Hz or 115 V 60 Hz on request)

Temperature controller and alarm function

Microprocessor driven temperature controller with digital display. The display indicates menu, actual temperature, set point temperature, date and time as well as model. Password protection for unit settings and switching off. Permanent temperature monitoring with indication of the set point and the alarm messages in the display. Pt1000 probe. Visual and audible alarm device: alarm warning for excess and insufficient temperature, door alarm, condenser efficiency, probe failure alarm, power failure alarm, low battery. USB port for download temperature and alarm data or for reset of the device.

Data logger

To record temperature and alarms registered in last 30 days. Download data via USB port.

Standard fitting

- 4 shelves, made of stainless steel
- 4 one-way wheels and two height adjustable feet
- lock
- power cord with EU plug (UK-plug on request)
- protection fuses
- RFI filter
- main switch
- electronic temperature controller with alarm device
- no-volt remote alarm contact
- USB port
- memory for last alarms

Optional accessories

- drawers with telescopic slide-out, made of stainless steel
- internal divider for drawers
- 4 castors, 2 lockable
- circular chart recorder for 7 days. Mains-independent with a 1.5 V battery. Delivery with 52 circular charts and a pen.
- battery back-up system for supply of the temperature control during a power failure to give alarm
- GSM alarm to send SMS alarm messages with date, time, cabinet temperature and type of alarm
- LAN port to connect unit via internet with PC for monitoring correct functioning
- port hole (Ø 25 mm.)

External dimensions and weight

700x800x1990 (2050 with wheels) mm (WxDxH) – 137 kg.

Shipping dimensions and shipping weight

- shipping in a carton on pallet: 750x850x2150 mm (WxDxH) – 152 kg.
- shipping in a wooden crate (optional on request): 840x960x2250 mm (WxDxH) – 202 kg.

Production in accordance with

EC-Directive for low voltage 2014/35/UE, EC-EMC-Directive 2014/30/UE.

The figures do not necessarily show the products in standard version.



**National Lab GmbH
Refrigeration Technology**

Grambeker Weg 157
23879 Moelln, Germany
Tel: +49 45 42 / 84 91-70
e-Mail: LabSales@NationalLab.com
www.NationalLab.com • www.Kryobox.de

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**Laboratory Refrigerator +2 °C to +12 °C
Model LabStar Sanguis LSSA7005GEWU
Content 700 l**



Housing structure

External housing made of white corrosion-resistant, galvanized steel plate, plastic coated. Interior made of stainless steel.

Insulation

60 mm of insulation obtained by injection of high-density ecological polyurethane foam. CFC-free.

Door

Self-closing glass door (double insulating – low emissivity glass), with removable and folding magnetic gasket on four sides for perfect closing. Door hinges on right, changeable on request. Lock.

Light

LED light with automatic switch at door opening. Manual switch on control panel.

Content

700 litres

Shelves

4 height adjustable shelves. Made of stainless steel.

Temperature range

Setting between +2 °C and +12 °C. Factory pre-set to +4 °C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser (suitable for tropical countries). Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator. Evaporator fan shuts off during door openings.

Refrigerant

R452A or R290, CFC-free

Defrost

Automatic defrost with condensate evaporation.

Power consumption

260 Watt

Mains connection

1/N/PE ~ 230 V 50 Hz (also 230 V 60 Hz or 115 V 60 Hz on request)

Temperature controller and alarm function

Microprocessor driven temperature controller with digital display. The display indicates menu, actual temperature, set point temperature, date and time as well as model. Password protection for unit settings and switching off. Permanent temperature monitoring with indication of the set point and the alarm messages in the display. Pt1000 probe. Visual and audible alarm device: alarm warning for excess and insufficient temperature, door alarm, condenser efficiency, probe failure alarm, power failure alarm, low battery. USB port for download temperature and alarm data or for reset of the device.

Data logger

To record temperature and alarms registered in last 30 days. Download data via USB port.

Standard fitting

- 4 shelves, made of stainless steel
- 4 one-way wheels and two height adjustable feet
- lock
- power cord with EU plug (UK-plug on request)
- protection fuses
- RFI filter
- main switch
- electronic temperature controller with alarm device
- no-volt remote alarm contact
- USB port
- memory for last alarms

Optional accessories

- drawers with telescopic slide-out, made of stainless steel
- internal divider for drawers
- 4 castors, 2 lockable
- circular chart recorder for 7 days. Mains-independent with a 1.5 V battery. Delivery with 52 circular charts and a pen.
- battery back-up system for supply of the temperature control during a power failure to give alarm
- GSM alarm to send SMS alarm messages with date, time, cabinet temperature and type of alarm
- LAN port to connect unit via internet with PC for monitoring correct functioning
- port hole (Ø 25 mm.)

External dimensions and weight

700x800x1990 mm (WxDxH) – 142 kg.

Shipping dimensions and shipping weight

- shipping in a carton on pallet: 750x850x2150 mm (WxDxH) – 156 kg.
- shipping in a wooden crate (optional on request): 840x960x2250 mm (WxDxH) – 208 kg.

Production in accordance with

EC-Directive for low voltage 2014/35/UE, EC-EMC-Directive 2014/30/UE.

The figures do not necessarily show the products in standard version.



**National Lab GmbH
Refrigeration Technology**

Grambeker Weg 157
23879 Moelln
Tel: +49 45 42 / 84 91-70
E-Mail: LabSales@NationalLab.com
www.NationalLab.com • www.Kryobox.de

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**Laboratory Refrigerator +2 °C to +12 °C
Model LabStar Sanguis LSSA14005EWU
Content 1400 l**



Housing structure

External housing made of white corrosion-resistant, galvanized steel plate, plastic coated. Interior made of stainless steel.

Insulation

60 mm of insulation obtained by injection of high-density ecological polyurethane foam. CFC-free.

Door

Two self-closing solid doors, with removable and folding magnetic gasket on four sides for perfect closing. Two locks.

Light

LED light with automatic switch at door opening. Manual switch on control panel.

Content

1400 litres

Shelves

8 height adjustable shelves. Made of stainless steel.

Temperature range

Setting between +2 °C and +12 °C. Factory pre-set to +4 °C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser. Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator. Evaporator fan shuts off during door openings.

Refrigerant

R452A or R290, CFC-free

Defrost

Automatic defrost with condensate evaporation.

Power consumption

490 Watt

Mains connection

1/N/PE ~ 230 V 50 Hz (also 230 V 60 Hz or 115 V 60 Hz on request)

Temperature controller and alarm function

Microprocessor driven temperature controller with digital display. The display indicates menu, actual temperature, set point temperature, date and time as well as model. Password protection for unit settings and switching off. Permanent temperature monitoring with indication of the set point and the alarm messages in the display. Pt1000 probe. Visual and audible alarm device: alarm warning for excess and insufficient temperature, door alarm, condenser efficiency, probe failure alarm, power failure alarm, low battery. USB port for download temperature and alarm data or for reset of the device.

Data logger

To record temperature and alarms registered in last 30 days. Download data via USB port.

Standard fitting

- 8 shelves, made of stainless steel
- 4 one-way wheels and two height adjustable feet
- 2 locks
- power cord with EU plug (UK-plug on request)
- protection fuses
- RFI filter
- main switch
- electronic temperature controller with alarm device
- no-volt remote alarm contact
- USB port
- memory for last alarms

Optional accessories

- drawers with telescopic slide-out, made of stainless steel
- internal divider for drawers
- 4 castors, 2 lockable
- circular chart recorder for 7 days. Mains-independent with a 1.5 V battery. Delivery with 52 circular charts and a pen.
- battery back-up system for supply of the temperature control during a power failure to give alarm
- GSM alarm to send SMS alarm messages with date, time, cabinet temperature and type of alarm
- LAN port to connect unit via internet with PC for monitoring correct functioning
- port hole (Ø 25 mm.)

External dimensions and weight

1440x800x1990 mm (WxDxH) – 164 kg.

Shipping dimensions and shipping weight

- shipping in a carton on pallet: 1500x850x2150 mm (WxDxH) – 179 kg.
- shipping in a wooden crate (optional on request): 1590x950x2200 mm (WxDxH) – 269 kg.

Production in accordance with

EC-Directive for low voltage 2014/35/UE, EC-EMC-Directive 2014/30/UE.

The figures do not necessarily show the products in standard version.



**National Lab GmbH
Refrigeration Technology**

Grambeker Weg 157
23879 Moelln • Germany
Phone: +49 45 42 / 84 91-70
E-mail: LabSales@NationalLab.com
www.NationalLab.com • www.Kryobox.de

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Laboratory Freezer -10 °C to -32 °C
Model LabStar Sanguis LSSA3230EWN
Content 320 l



Housing structure

External housing made of white corrosion-resistant, galvanized steel plate, plastic coated. Interior made of stainless steel.

Insulation

80 mm of insulation obtained by injection of high-density ecological polyurethane foam. CFC-free.

Door

Self-closing solid door, with removable and folding magnetic gasket on four sides for perfect closing. Door hinges on right, changeable on request. With lock.

Content

320 litres

Drawers

6 drawers with telescopic slide-out. Completely made of stainless steel with see-through frontal side made of plastic. Drawers' interior dimension: 410x395x90 mm (WxDxH), frontal height 200 mm (the 5 upper drawers) and 410x395x200 mm (WxDxH), frontal height 300 mm (lowest drawer).

Temperature range

Setting between -10 °C and -32 °C. Factory pre-set to -30 °C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser. Internal compartment static evaporator.

Refrigerant

R452A or R290, CFC-free

Defrost

Manual defrost.

Power consumption

450 watts

Mains connection

1/N/PE ~ 230 V 50 Hz (also 230 V 60 Hz or 115 V 60 Hz on request)

Temperature controller and alarm function

Microprocessor driven temperature controller with digital display. The display indicates menu, actual temperature, set point temperature, date and time as well as model. Password protection for unit settings and switching off. Permanent temperature monitoring with indication of the set point and the alarm messages in the display. Pt1000 probe. Visual and audible alarm device: alarm warning for excess and insufficient temperature, door alarm, condenser efficiency, probe failure alarm, power failure alarm, low battery. USB port for download temperature and alarm data or for reset of the device.

Data logger

To record temperature and alarms registered in last 30 days. Download data via USB port.

Standard fitting

- 6 drawers with telescopic slide-out or 4 shelves; made of stainless steel
- 4 one-way wheels and two height adjustable feet
- lock
- power cord with EU plug (UK-plug on request)
- protection fuses
- RFI filter
- main switch
- electronic temperature controller with alarm device
- no-volt remote alarm contact
- USB port
- memory for last alarms

Optional accessories

- divider for drawers
- 4 castors, 2 lockable
- Circular chart recorder for 7 days. Mains-independent with a 1.5 V battery. Delivery with 52 circular charts and a pen.
- battery back-up system for supply of the temperature control during a power failure to give alarm
- GSM alarm to send SMS alarm messages with date, time, cabinet temperature and type of alarm
- LAN port to connect unit via internet with PC for monitoring correct functioning
- port hole (Ø 25 mm.)

External dimensions and weight

640x620x2000 mm (WxDxH) – 115 kg.

Shipping dimensions and shipping weight

- shipping in a carton on pallet: 680x680x2150 mm (WxDxH) – 128 kg.
- shipping in a wooden crate (optional on request): 840x960x2250 mm (WxDxH) – 180 kg.

Production in accordance with

EC-Directive for low voltage 2006/95/EC, EC-EMC-Directive 2004/108/EC.

The figures do not necessarily show the products in standard version.



National Lab GmbH
Refrigeration Technology

Grambeker Weg 157
23879 Moelln, Germany
Phone: +49 45 42 / 84 91-70
E-mail: LabSales@NationalLab.com
www.NationalLab.com • www.Kryobox.de

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Laboratory Freezer -10 °C to -32 °C
Model LabStar Sanguis LSSA7030EWU
Content 700 l



Housing structure

External housing made of white corrosion-resistant, galvanized steel plate, plastic coated. Interior made of stainless steel.

Insulation

60 mm of insulation obtained by injection of high-density ecological polyurethane foam. CFC-free.

Door

Self-closing solid door, with removable and folding magnetic gasket on four sides for perfect closing. Door hinges on right, changeable on request. With lock.

Content

700 litres

Drawers

4 shelves made of stainless steel, adjustable in height

Temperature range

Setting between -10 °C and -32 °C. Factory pre-set to -30 °C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser. Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator. Evaporator fan shuts off during door openings.

Refrigerant

R452A or R290, CFC-free

Defrost

Automatic defrost with condensate evaporation.

Power consumption

887 watts

Mains connection

1/N/PE ~ 230 V 50 Hz (also 230 V 60 Hz or 115 V 60 Hz on request)

Temperature controller and alarm function

Microprocessor driven temperature controller with digital display. The display indicates menu, actual temperature, set point temperature, date and time as well as model. Password protection for unit settings and switching off. Permanent temperature monitoring with indication of the set point and the alarm messages in the display. Pt1000 probe. Visual and audible alarm device: alarm warning for excess and insufficient temperature, door alarm, condenser efficiency, probe failure alarm, power failure alarm, low battery. USB port for download temperature and alarm data or for reset of the device.

Data logger

To record temperature and alarms registered in last 30 days. Download data via USB port.

Standard fitting

- 4 shelves made of stainless steel, adjustable in height
- 4 one-way wheels and two height adjustable feet
- lock
- power cord with EU plug (UK-plug on request)
- protection fuses
- RFI filter
- main switch
- electronic temperature controller with alarm device
- no-volt remote alarm contact
- USB port
- memory for last alarms

Optional accessories

- 6 drawers with telescopic slide-out
- divider for drawers
- 4 castors, 2 lockable
- Circular chart recorder for 7 days. Mains-independent with a 1.5 V battery. Delivery with 52 circular charts and a pen.
- Battery back-up system for supply of the temperature control during a power failure to give alarm
- GSM alarm to send SMS alarm messages with date, time, cabinet temperature and type of alarm
- LAN port to connect unit via internet with PC for monitoring correct functioning
- port hole (Ø 25 mm.)

External dimensions and weight

700x800x1990 mm (WxDxH) – 150 kg.

Shipping dimensions and shipping weight

- shipping in a carton on pallet: 750x850x2150 mm (WxDxH) – 162 kg.
- shipping in a wooden crate (optional on request): 840x960x2250 mm (WxDxH) – 215 kg.

Production in accordance with

EC-Directive for low voltage 2014/35/EC, EC-EMC-Directive 2014/30/EC.

The figures do not necessarily show the products in standard version.



National Lab GmbH
Refrigeration Technology

Grambeker Weg 157
23879 Moelln, Germany
Phone: +49 45 42 / 84 91-70
E-mail: LabSales@NationalLab.com
www.NationalLab.com • www.Kryobox.de

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Laboratory Freezer -10 °C to -32 °C
Model LabStar Sanguis LSSA14030EWU
Content 1400 l



Housing structure

External housing made of white corrosion-resistant, galvanized steel plate, plastic coated. Interior made of stainless steel.

Insulation

60 mm of insulation obtained by injection of high-density ecological polyurethane foam. CFC-free.

Door

Two self-closing solid doors, with removable and folding magnetic gasket on four sides for perfect closing. Two locks with keys.

Content

1400 litres

Shelves

8 height adjustable shelves. Made of stainless steel.

Temperature range

Setting between -10 °C and -32 °C. Factory pre-set to -30 °C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser. Internal ventilated evaporator. This system forcing air circulation ensures to provide uniform temperature inside the refrigerator. Evaporator fan shuts off during door openings.

Refrigerant

R452A or R290, CFC-free

Defrost

Automatic defrost with condensate evaporation.

Power consumption

1080 Watt

Mains connection

1/N/PE ~ 230 V 50 Hz (also 230 V 60 Hz or 115 V 60 Hz on request)

Temperature controller and alarm function

Microprocessor driven temperature controller with digital display. The display indicates menu, actual temperature, set point temperature, date and time as well as model. Password protection for unit settings and switching off. Permanent temperature monitoring with indication of the set point and the alarm messages in the display. Pt1000 probe. Visual and audible alarm device: alarm warning for excess and insufficient temperature, door alarm, condenser efficiency, probe failure alarm, power failure alarm (optional), low battery (optional). USB port for download temperature and alarm data or for reset of the device.

Data logger

To record temperature and alarms registered in last 30 days. Download data via USB port.

Standard fitting

- 8 shelves, made of stainless steel
- 4 one-way wheels and two height adjustable feet
- 2 locks
- power cord with EU plug (UK-plug on request)
- protection fuses
- RFI filter
- electronic temperature controller with alarm device
- no-volt remote alarm contact
- USB port
- memory for last alarms

Optional accessories

- additional shelf
- drawers with telescopic slide-out, made of stainless steel
- internal divider for drawers
- 4 castors, 2 lockable
- circular chart recorder for 7 days. Mains-independent with a 1.5 V battery. Delivery with 52 circular charts and a pen.
- battery back-up system for supply of the temperature control during a power failure to give alarm
- GSM alarm to send SMS alarm messages with date, time, cabinet temperature and type of alarm
- LAN port to connect unit via internet with PC for monitoring correct functioning
- safety thermostat
- digital humidity probe
- port hole (Ø 25 mm.)
- electronic door lock
- RS232 – RS485 serial port
- 4-20 mA converter module

Internal dimensions

- standard: 505x600x1300 mm (WxDxH)
- optional: 650x640x1300 mm (WxDxH)

External dimensions and weight

1400x800x1990 mm (WxDxH) – 229 kg.

Shipping dimensions and shipping weight

- shipping in a carton on pallet: 1500x900x2170 mm (WxDxH) – 249 kg.

Production in accordance with

EC-Directive for low voltage 2014/35/UE, EC-EMC-Directive 2014/30/UE.

The figures do not necessarily show the products in standard version.



National Lab GmbH
Refrigeration Technology

Grambeker Weg 157
23879 Moelln • Germany
Phone: +49 45 42 / 84 91-70
E-Mail: LabSales@NationalLab.com
www.NationalLab.com • www.Kryobox.de

CE Reg: LSSA14030EWU-DB-EN-200831

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Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
 - Electronic control with digital display
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - Door alarm
 - No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

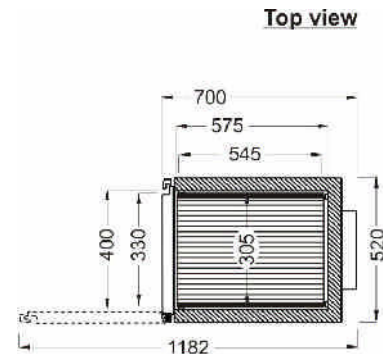


LabStar Sirius LSSI 3505GEWU

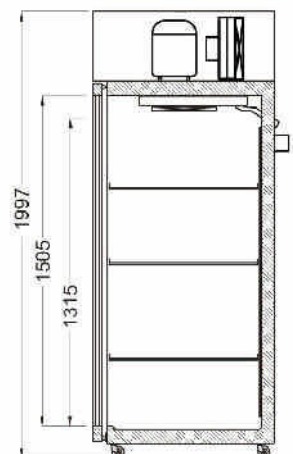
Model LabStar Sirius	LSSI 3505	LSSI 3505	LSSI 3530
Version	EWU/EEU	GEWU/GEEU Glass door	EWU/EEU
Temperature range	°C: +1/+10	+1/+10	-10/-30
Content litres (gross):	346	346	346
Content litres (net):	218	218	218
Ext. dimensions (WxDxH) mm:	520x700x1997	520x700x1997	520x700x1997
Int. dimensions (WxDxH) mm:	400x575x1505	400x575x1505	400x575x1505
Depth with door opened mm:	1182	1182	1182
Grid inserts	3	3	3
Weight kgs:	98	98	103
Mains connection	< 1/N/PE ~ 230 V 50-60 Hz >		
Shipping dimensions (WxDxH) mm:	650x780x2200	650x780x2200	650x780x2200
Shipping weight kgs:	112	112	117
Refrigerant CFC- and HCFC-free	R134a	R134a	R290

LabStar Sirius + Accessories:	Outside / Inside	Cat. No.
LabStar Sirius LSSI 3505EWU	white / CNS	GSLSSI3505EWU
LabStar Sirius LSSI 3505EEU	CNS / CNS	GSLSSI3505EEU
LabStar Sirius LSSI 3505GEWU	white, glass door / CNS	GSLSSI3505GEWU
LabStar Sirius LSSI 3505GEEU	CNS, glass door / CNS	GSLSSI3505GEEU
LabStar Sirius LSSI 3530EWU	white / CNS	GSLSSI3530EWU
LabStar Sirius LSSI 3530EEU	CNS / CNS	GSLSSI3530EEU

ProfiTec Temperature Monitoring and Recording System (see sep. brochure).
 ProfiCaller telephone dialler (see sep. brochure).
 Pt-100 temperature sensor, add. installed for ext. temperature recording. ZXX2-020-2L
 Grid inserts, 330x545 mm (WxD). ZLSSI4-330x545
 Guide rails for grid inserts (1 pair). ZLSSI4-023
 Drawer with telescopic slide-out for LSSI 35xx, made of CNS. ZLSSI4-003
 Interior socket, tropical design. ZLSSI1-001-01
 Feet instead of castors, made of CNS (50 mm height adjustable). ZLSSI5-021-125
 Duct to storage compartment 26 mm in diameter. ZLSSI1-002-26
 MIN/MAX thermometer to be placed in refrigerators or freezers. ZXX2-019-001
 Measuring range -50/+50 °C, an add. temperature sensor is not required.
 MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. ZXX2-019-011
 An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.
 Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100
 Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

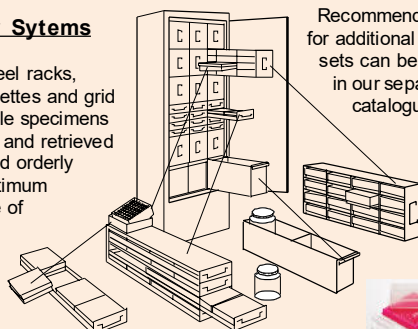


Side view



Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.



Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
 - Electronic control with digital display
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - Door alarm
 - No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 5 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

Forced Air Circulation



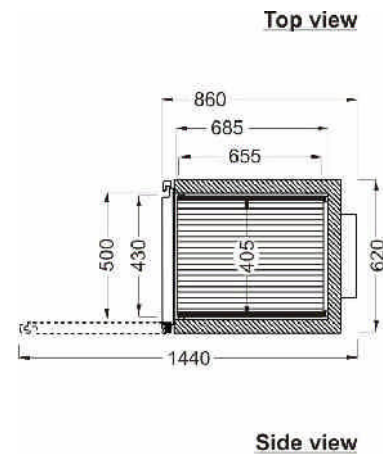
LabStar Sirius LSSI 7505EWU (With accessories Inventory Systems. See sep. brochure.)

Model LabStar Sirius	LSSI 5005	LSSI 5005	LSSI 5030	LSSI 5025
Version	EWU/EEU	GEWU/GEEU Glass door	EWU/EEU	GEWU/GEEU Glass door
Temperature range	°C: +1/+10		-10/-30	-10/-23
Content litres (gross):	515	523	515	523
Content litres (net):	348	354	348	354
Ext. dimensions (WxDxH) mm:	620x860x1997	620x860x1997	620x860x1997	620x860x1997
Int. dimensions (WxDxH) mm:	500x685x1505	500x695x1505	500x685x1505	500x695x1505
Depth with door opened mm:	1440	1440	1440	1440
Grid inserts	:5	5	5	5
Weight kgs:	106	106	114	114
Mains connection	: < 1/N/PE ~ 230 V 50-60 Hz >			
Shipping dimensions (WxDxH) mm:	700x880x2200	700x880x2200	700x880x2200	700x880x2200
Shipping weight kgs:	117	117	125	125
Refrigerant CFC- and HCFC-free	:R134a	R134a	R290	R290

LabStar Sirius + Accessories:	Outside / Inside	Cat. No.
LabStar Sirius LSSI 5005EWU	white / CNS	GSLSSI5005EWU
LabStar Sirius LSSI 5005EEU	CNS / CNS	GSLSSI5005EEU
LabStar Sirius LSSI 5005GEWU	white, glass door / CNS	GSLSSI5005GEWU
LabStar Sirius LSSI 5005GEEU	CNS, glass door / CNS	GSLSSI5005GEEU
LabStar Sirius LSSI 5030EWU	white / CNS	GSLSSI5030EWU
LabStar Sirius LSSI 5030EEU	CNS / CNS	GSLSSI5030EEU
LabStar Sirius LSSI 5025GEWU	white, glass door / CNS	GSLSSI5025GEWU
LabStar Sirius LSSI 5025GEEU	CNS, glass door / CNS	GSLSSI5025GEEU

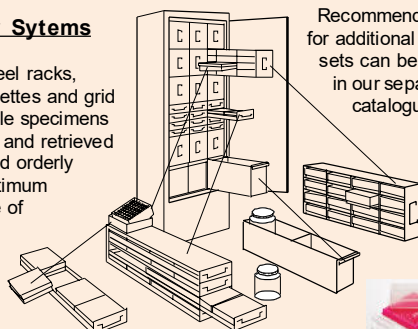
ProfiTec Temperature Monitoring and Recording System (see sep. brochure).
 ProfiCaller telephone dialler (see sep. brochure).
 Pt-100 temperature sensor, add. installed for ext. temperature recording.
 Grid inserts, 430x655 mm (WxD).
 Guide rails for grid inserts (1 pair).
 Drawer with telescopic slide-out for LSSI 50xx, made of CNS.
 Interior socket, tropical design.
 Feet instead of castors, made of CNS (50 mm height adjustable).
 Duct to storage compartment 26 mm in diameter.
 Door hinges factory-mounted on left.
 MIN/MAX thermometer to be placed in refrigerators or freezers.
 Measuring range -50/+50 °C, an add. temperature sensor is not required.
 MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.
 An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.
 Temperature sensor for MIN/MAX thermometer ZXX2-019-011.
 Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

GPTEC4A
 on request
 ZXX2-020-2L
 ZLSSI4-430x655
 ZLSSI4-024
 ZLSSI4-001
 ZLSSI1-001-01
 ZLSSI5-021-125
 ZLSSI1-002-26
 ZLSSI5-001
 ZXX2-019-001
 ZXX2-019-011
 ZXX2-022-100



Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.



Http://www.catalopedia.de

National Lab GmbH
 Gimbeker Weg 157
 D-23879 Mölln
 Tel.: +49 45 42 / 84 91 - 70
 Fax: +49 45 42 / 84 91 - 71
 e-Mail: LabSales@NationalLab.com

Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
 - Electronic control with digital display
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - Door alarm
 - No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

Forced Air Circulation



LabStar Sirius LSSI 7505EJU (With accessories Inventory Systems. See sep. brochure.)

Model LabStar Sirius	LSSI 7505	LSSI 7505	LSSI 7530	LSSI 7525
Version	EWU/EEU	GEWU/GEEU Glass door	EWU/EEU	GEWU/GEEU Glass door
Temperature range	°C: +1/+10		+1/+10	-10/-23
Content litres (gross):	618	627	618	627
Content litres (net):	435	441	435	441
Ext. dimensions (WxDxH)	mm: 720x860x1997			
Int. dimensions (WxDxH)	mm: 600x685x1505			
Depth with door opened	mm: 1540			
Grid inserts	: 3			
Weight	kgs: 117		121	121
Mains connection	: < 1/N/PE ~ 230 V 50-60 Hz >			
Shipping dimensions (WxDxH)	mm: 800x900x2200			
Shipping weight	kgs: 129		133	133
Refrigerant CFC- and HCFC-free	: R134a		R134a	R290

LabStar Sirius + Accessories:	Outside/ Inside	Cat. No.
LabStar Sirius LSSI 7505EJU	white / CNS	GSLSSI7505EJU
LabStar Sirius LSSI 7505EEU	CNS / CNS	GSLSSI7505EEU
LabStar Sirius LSSI 7505GEWU	white, glass door / CNS	GSLSSI7505GEWU
LabStar Sirius LSSI 7505GEEU	CNS, glass door / CNS	GSLSSI7505GEEU
LabStar Sirius LSSI 7530EJU	white / CNS	GSLSSI7530EJU
LabStar Sirius LSSI 7530EEU	CNS / CNS	GSLSSI7530EEU
LabStar Sirius LSSI 7525GEWU	white, glass door / CNS	GSLSSI7525GEWU
LabStar Sirius LSSI 7525GEEU	CNS, glass door / CNS	GSLSSI7525GEEU

ProfiTec Temperature Monitoring and Recording System (see sep. brochure) GPTEC4A

ProfiCaller telephone dialler (see sep. brochure) on request

Pt-100 temperature sensor, add. installed for ext. temperature recording. ZXX2-020-2L

Grid inserts, 530x655 mm (WxD). ZLSSI4-530x655

Guide rails for grid inserts (1 pair). ZLSSI4-024

Drawer with telescopic slide-out for LSSI 75xx, made of CNS. ZLSSI4-002

Interior socket, tropical design. ZLSSI1-001-01

Feet instead of castors, made of CNS (50 mm height adjustable). ZLSSI5-021-125

Duct to storage compartment 26 mm in diameter. ZLSSI1-002-26

Door hinges factory-mounted on left. ZLSSI5-001

MIN/MAX thermometer to be placed in refrigerators or freezers. ZXX2-019-001

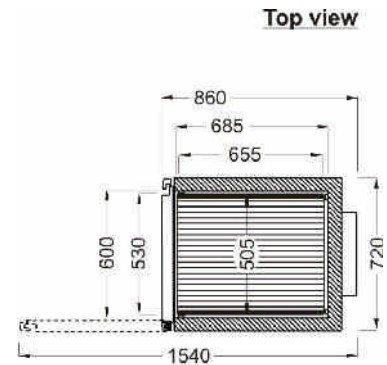
Measuring range -50/+50 °C, an add. temperature sensor is not required. on request

MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. ZXX2-019-011

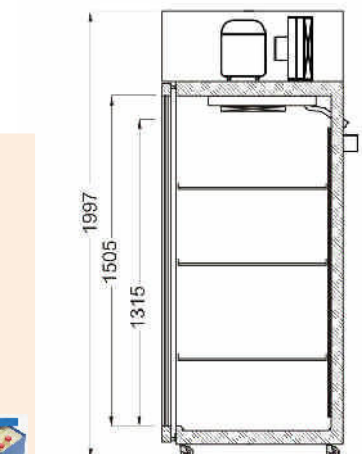
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. ZXX2-022-100

Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100

Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

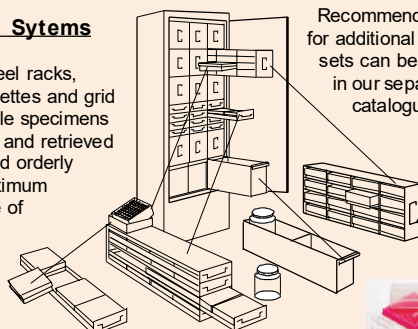


Side view



Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.



Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
 - Electronic control with digital display
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - Door alarm
 - No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable doors
- Door seal changeable
- 6 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 5 castors, 3 lockable

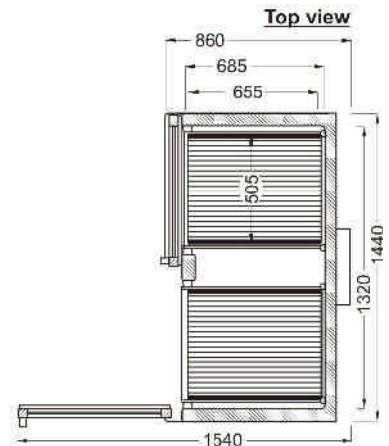


Model LabStar Sirius	LSSI 14005	LSSI 14005	LSSI 14030	LSSI 14025
Version	EWU/EEU	GEWU/GEEU Glass door	EWU/EEU	GEWU/GEEU Glass door
Temperature range	°C: +1/+10	+1/+10	-10/-30	-10/-23
Content litres (gross)	1360	1380	1360	1380
Content litres (net)	870	883	870	883
Ext. dimensions (WxDxH) mm	1440x860x1997	1440x860x1997	1440x860x1997	1440x860x1997
Int. dimensions (WxDxH) mm	1320x685x1505	1320x695x1505	1320x685x1505	1320x695x1505
Depth with door opened mm	1540	1540	1540	1540
Grid inserts	:6	6	6	6
Weight kgs	:178	178	188	188
Mains connection	:	< 1/N/PE ~ 230 V 50-60 Hz >		
Shipping dimen. (WxDxH) mm	1520x900x2200	1520x900x2200	1520x900x2200	1520x900x2200
Shipping weight kgs	:195	195	205	205
Refrigerant CFC- / HCFC-free	:R134a	R134a	R290	R290

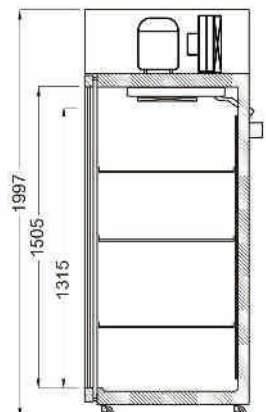
LabStar Sirius LSSI 14005EWU
(With accessories Inventory Systems. See sep. brochure.)

LabStar Sirius + Accessories:	Outside / Inside	Cat. No.
LabStar Sirius LSSI 14005EWU	white / CNS	GSLSSI14005EWU
LabStar Sirius LSSI 14005EEU	CNS / CNS	GSLSSI14005EEU
LabStar Sirius LSSI 14005GEWU	white, glass door / CNS	GSLSSI14005GEWU
LabStar Sirius LSSI 14005GEEU	CNS, glass door / CNS	GSLSSI14005GEEU
LabStar Sirius LSSI 14030EWU	white / CNS	GSLSSI14030EWU
LabStar Sirius LSSI 14030EEU	CNS / CNS	GSLSSI14030EEU
LabStar Sirius LSSI 14025GEWU	white, glass door / CNS	GSLSSI14025GEWU
LabStar Sirius LSSI 14025GEEU	CNS, glass door / CNS	GSLSSI14025GEEU

- ProfiTec Temperature Monitoring and Recording System (see sep. brochure) GPTEC4A
- ProfiCaller telephone dialler (see sep. brochure) on request
- Pt-100 temperature sensor, add. installed for ext. temperature recording. ZXX2-020-2L
- Grid inserts, 530x655 mm (WxD). ZLSSI4-530x655
- Guide rails for grid inserts (1 pair). ZLSSI4-024
- Drawer with telescopic slide-out for LSSI 140xx, made of CNS. ZLSSI4-002
- Interior socket, tropical design. ZLSSI1-001-01
- Feet instead of castors, made of CNS (50 mm height adjustable). ZLSSI5-021-125
- Duct to storage compartment 26 mm in diameter. ZLSSI1-002-26
- MIN/MAX thermometer to be placed in refrigerators or freezers. ZXX2-019-001
- Measuring range -50/+50 °C, an add. temperature sensor is not required.
- MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. ZXX2-019-011
- An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.
- Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100
- Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

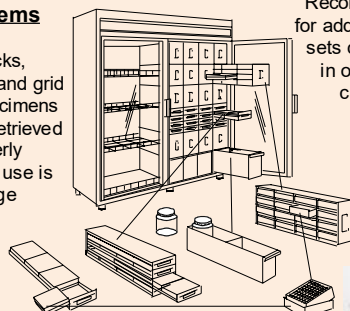


side view



Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.

Bloodbank Refrigerator LabStar Sanguis LSSA

- Forced air circulation , automatic defrost and condensate evaporation
- Micro-processor driven temperature controller
 - Visual/audible alarm device, mains-independent
 - Alarm warning for excess and insufficient temperature
 - Power failure alarm
 - Probe failure alarm
 - Door alarm
 - Integrated data logger
 - USB port for data download
 - Circular chart recorder for 7 days
- No-volt remote alarm contact for connection to a remote alarm system
- External housing made of white corrosion-resistant, galvanized steel plate with PVC finish
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 2 drawers with telescopic slide-out
- Interior made of stainless steel CNS
- Interior lighting
- 4 castors, 2 height adjustable feet at rear



LabStar Sanguis LSSA1104GEWU

Model LabStar Sanguis LSSA1104GEWU

Temperature range	°C:	+2/+6
Content	litres (gross):	100
Ext. dimensions (WxDxH)	mm:	600x600x850
Int. dimensions (WxDxH)	mm:	475x440x460
Depth with door opened	mm:	1135
Drawers	:	2
Number of blood bags à 450 ml	:	64
Weight	kgs:	80
Mains connection	:	1/N/PE ~ 230 V 50 Hz
Shipping dimensions (WxDxH)	mm:	680x680x1050
Shipping weight	kgs:	91
Refrigerant CFC- and HCFC-free	:	R134a



drawer with telescopic slide-out

LabStar Sanguis + Accessories: Outside / Inside Cat. No.

LabStar Sanguis LSSA1104GEWU	white, glass door / CNS	GSLSSA1104GEWU
ProfiTec Temperature Monitoring and Recording System (see sep. brochure).		GPTEC4A
ProfiCaller telephone dialler (see sep. brochure).		on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.		ZXX2-020-2L
SMS alarm (to 5 mobile numbers maximum).		on request
7-day circular charts. Pck. of 100 pieces.		on request
Internal dividers for drawer. 1 set consisting of 3 dividers.		ZLSSA4-010
MIN/MAX thermometer to be placed in refrigerators or freezers.		ZXX2-019-001
Measuring range -50/+50 °C, an add. temperature sensor is not required.		
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.		ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.		
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.		ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.		
Export version with special voltages / frequencies.		on request

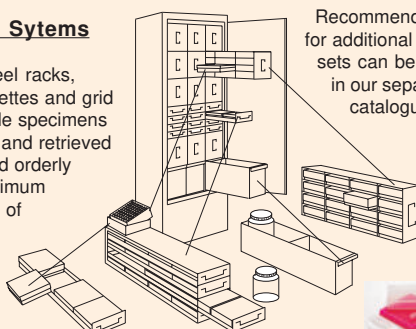
ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

Inventory Systems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.



Recommendations for additional storage sets can be found in our separate catalogue.



Please ask for a personal fitting option.



MIN/MAX digital thermometer with add. temperature sensor

Bloodbank Refrigerator LabStar Sirius LSSI

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
 - Electronic control with digital display
 - Visual/audible alarm device, mains-independent
 - Alarm warning for excess and insufficient temperature
 - Door alarm
 - No-volt remote alarm contact for connection to a remote alarm system
 - RS 485 port
- Self-closing and lockable door(s)
- Door hinges on right, changeable (for models with one door)
- Door seal changeable
- 7 drawers with telescopic slide-out and dividers (14 at LSSI 14004.); can be factory-fitted with 8 drawers if required (16 at LSSI 14004.)
- Interior made of stainless steel CNS
- Interior lighting
- 4 castors, 2 lockable, (LSSI 14004.. with 5 castors, 3 lockable)



LabStar Sirius LSSI 7504GEWU

Model LabStar Sirius	LSSI 5004	LSSI 7504	LSSI 14004
Version	GEWU/GEEU	GEWU/GEEU	GEWU/GEEU
Temperature range	°C: +4	+4	+4
Content	litres (gross): 525	630	1255
Ext.dimensions (WxDxH)	mm: 620x860x1997	720x860x1997	1440x860x1997
Int.dimensions (WxDxH)	mm: 500x695x1505	600x695x1505	1320x695x1505
Depth with door opened	mm: 1440	1540	1540
Telescopic drawers	: 7	7	14
Doors	: 1	1	2
Weight	kgs: 105	112	178
Mains connection	:	< 1/N/PE ~ 230 V 50 Hz >	
Shipping dimensions (WxDxH)	mm: 700x880x2200	800x900x2200	1540x900x2200
Shipping weight	kgs: 115	122	195
Refrigerant CFC- and HCFC-free	: R134a	R134a	R134a



drawer with telescopic slide-out, made of CNS



individually partitionable telescopic drawers

LabStar Sirius + Accessories:

Outside / Inside

Cat. No.

LabStar Sirius LSSI 5004GEWU	white, glass door / CNS	GSLSSI5004GEWU
LabStar Sirius LSSI 5004GEEU	CNS, glass door / CNS	GSLSSI5004GEEU
LabStar Sirius LSSI 7504GEWU	white, glass door / CNS	GSLSSI7504GEWU
LabStar Sirius LSSI 7504GEEU	CNS, glass door / CNS	GSLSSI7504GEEU
LabStar Sirius LSSI 14004GEWU	white, glass door / CNS	GSLSSI14004GEWU
LabStar Sirius LSSI 14004GEEU	CNS, glass door / CNS	GSLSSI14004GEEU

ProfiTec Temperature Monitoring and Recording System (see sep. brochure) GPTEC4A

ProfiCaller telephone dialler (see sep. brochure) on request

Pt-100 temperature sensor, add. installed for ext. temperature recording. ZXX2-020-2L

Circular chart recorder for 7 days. ZLSSI2-031-040

6" 7-day circular charts. Pck. of 100 pieces. on request

Drawer with telescopic slide-out for LSSI 50xx, made of CNS. ZLSSI4-001

Drawer with telescopic slide-out for LSSI 75xx and LSSI 140xx, CNS. ZLSSI4-002

Interior socket, tropical design. ZLSSI1-001-01

Feet instead of castors, made of CNS (50 mm height adjustable). ZLSSI5-021-125

Duct to storage compartment 26 mm in diameter. ZLSSI1-002-26

Door hinges factory-mounted on left. ZLSSI5-001

MIN/MAX thermometer to be placed in refrigerators or freezers. ZXX2-019-001

Measuring range -50/+50 °C, an add. temperature sensor is not required.

MIN/MAX digital thermometer. Hand-held unit with digital display as well as ZXX2-019-011

data-hold and relative measuring function. Measuring range -200/+1370 °C.

An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.

Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100

Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.



ProfiTec Intelligent Temperature Monitoring and Recording System

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port



Model No.	ML1307WN	ML2726WN	ML3226WN
Temperature range	Fridge: +2 °C to +10 °C Freezer: -18 °C to -25 °C	Fridge: +2 °C to +10 °C Freezer: -18 °C to -25 °C	Fridge: +2 °C to +10 °C Freezer: -18 °C to -25 °C
Forced air circulation	No	No	No
Defrost (automatic / manual)	Fridge: automatic Freezer: manual	Fridge: automatic Freezer: manual	Fridge: automatic Freezer: manual
Electronic controller	Yes	Yes	Yes
Digital display	Yes	Yes	Yes
Temperature alarm visual / audible	Yes	Yes	Yes
Excess and insufficient temp. alarm	Yes	Yes	Yes
Open door alarm	Yes	Yes	Yes
No-volt remote alarm	Yes	Yes	Yes
External finish	painted steel plate	painted steel plate	painted steel plate
Colour	white	white	white
Lock	Yes	Yes (2)	Yes (2)
Door type	solid door	solid door	solid door
Door hinges	changeable	changeable	changeable
Door seal	not changeable	not changeable	not changeable
Internal finish	plastic, white	plastic, white	plastic, white
Interior light	No	No	No
Spark free	optional	optional	optional
Interior fittings Fridge			
• Shelves (number)	2	3	3
• Shelf positions (number)	4	6	6
• Shelf size (mm) (WxDxH)	1: 448x308x4.5 1: 448x200x4.5	448x308x4.5	505x320x6
• Drawers (number)	1	2 half	2 half
• Wire baskets (number)	0	0	0
• Adjustable door bins (number)	2 full and 2 half	2 full and 2 half	2 full and 4 half
• Optional drawer system	Yes	Yes	Yes
Interior fittings Freezer			
• Drawers (number)	0	2 and 1 flap	2 and 2 flaps
Adjustable feet (number & position)	2 front feet 2 rear rollers	2 front feet 2 rear rollers	2 front feet 2 rear rollers
Gross capacity (l)	119 106 Fridge / 13 Freezer	263 159 Fridge / 104 Freezer	324 190 Fridge / 134 Freezer
Net capacity (l)	117 104 Fridge / 13 Freezer	245 148 Fridge / 97 Freezer	302 177 Fridge / 125 Freezer
External width (mm)	540	540	600
External depth (mm)	600	600	600
Door open depth (mm)	1090	1110	1190
External height (mm)	860	1680	1870
Internal dimensions (mm) (DxWxH)	Fridge: 450x450x525 Freezer: 400x295x120 step (TxH): 155x225	Fridge: 457x450x725 Freezer: 408x415x670 step (TxH): 170x220	Fridge: 510x430x805 Freezer: 463x445x780 step (TxH): 250x260
Product weight (kg)	34	58	70
Voltage supply	1/N/PE-230 V 50 Hz	1/N/PE-230 V 50 Hz	1/N/PE-230 V 50 Hz
Packed width (mm)	700	700	700
Packed depth (mm)	750	750	750
Packed height (mm)	1027	1850	2035
Packed weight (kg)	41	65	77
Refrigerant type CFC / HCFC free	R600a	R600a	R600a



ML1307WN



ML2726WN

ML3226WN

Recommendations for additional storage sets can be found in our separate catalogue. Please ask for a personal fitting option.



Refrigerator/Freezer Combination LabStar Sirius LSSI

- Forced air circulation for refrigerator and freezer with automatic defrost and condensate evaporation
- 2 separate cooling circuits for refrigerator and freezer
- Cooling unit top
- 2 operating panels with:
 - Main switch
 - Electronic control with digital display
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
- Door alarm
- No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable doors
- Door hinges on right, changeable
- Door seal changeable
- 4 castors, 2 lockable
- 4 (2x2) adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS



LabStar Sirius LSSI 3030KEEU

Model LabStar Sirius	LSSI 3030	LSSI 7030
Version	KEWU/KEEU	KEWU/KEEU

Refrigerator:

Temperature range	°C: +1/+10	+1/+10
Content	litres (gross): 160	290
Int. dimensions (WxDxH)	mm: 400x560x700	600x685x700
Grid inserts	: 2	2
Refrigerant CFC- and HCFC-free	: R134a	R134a

Freezer:

Temperature range	°C: -10/-30	-10/-30
Content	litres (gross): 160	290
Int. dimensions (WxDxH)	mm: 400x560x700	600x685x700
Grid inserts	: 2	2
Refrigerant CFC- and HCFC-free	: R290	R290

Ext. dimensions (WxDxH)	mm: 520x700x1997	720x860x1997
Depth with door opened	mm: 1182	1540
Weight	kgs: 120	151
Mains connection	: 1/N/PE ~ 230 V 50 Hz	1/N/PE ~ 230 V 50 Hz
Shipping dimensions (WxDxH)	mm: 610x840x2200	800x900x2200
Shipping weight	kgs: 130	163

ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

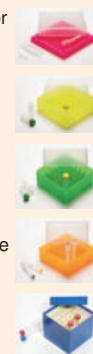
LabStar Sirius + Accessories:	Outside/ Inside	Cat. No.
LabStar Sirius LSSI 3030KEWU	white / CNS	GSLSSI3030KEWU
LabStar Sirius LSSI 3030KEEU	CNS / CNS	GSLSSI3030KEEU
LabStar Sirius LSSI 7030KEWU	white / CNS	GSLSSI7030KEWU
LabStar Sirius LSSI 7030KEEU	CNS / CNS	GSLSSI7030KEEU

ProfiTec Temperature Monitoring and Recording System (see sep. brochure). GPTEC4A

- ProfiCaller telephone dialler (see sep. brochure). on request
- Pt-100 temperature sensor, add. installed for ext. temperature recording. ZXX2-020-2L
- Grid inserts, 330x545 mm (WxD). ZLSSI4-330x545
- Grid inserts, 530x655 mm (WxD). ZLSSI4-530x655
- Guide rails for grid inserts LSSI 3030.. (1 pair). ZLSSI4-023
- Guide rails for grid inserts LSSI 7030.. (1 pair). ZLSSI4-024
- Drawer with telescopic slide-out for LSSI 3030.., made of CNS. ZLSSI4-003
- Drawer with telescopic slide-out for LSSI 7030.. made of CNS. ZLSSI4-002
- Interior socket, tropical design. ZLSSI1-001-01
- Feet instead of castors, made of CNS (50 mm height adjustable). ZLSSI5-021-125
- Duct to storage compartment 26 mm in diameter. ZLSSI1-002-26
- Door hinges factory-mounted on left. ZLSSI5-001
- MIN/MAX thermometer to be placed in refrigerators or freezers. ZXX2-019-001
- Measuring range -50/+50 °C, an add. temperature sensor is not required.
- MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. ZXX2-019-011
- An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.
- Temperature sensor for MIN/MAX thermometer ZXX2-019-011. ZXX2-022-100
- Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.



Tel.: +49 45 42 / 84 91 - 70
 Fax: +49 45 42 / 84 91 - 71
 e-Mail: LabSales@NationalLab.com

National Lab GmbH
 Grambeker Weg 157
 D-23879 Moelln



Small Scale Chest Freezer ProfiMaster *Mini* PMM

- Static cooling and manual defrost
- Low-noise refrigeration system, air-cooled
- Operating panel with electronic control and digital display (LED)
 - Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - No-volt remote alarm contact
- External housing made of stainless steel (CNS)
- Interior made of stainless steel (CNS)
- Insulated lid with hinge and magnetic seal



Small Scale Chest Freezer PMM0861EEN

Model ProfiMaster *Mini* PMM0861EEN

Temperature range	°C:	-20/-50
	:	Other temperature ranges available on request.
Content	litres (gross):	8
Ext. dimensions (WxDxH)	mm:	370x500x630
Int. dimensions (WxDxH)	mm:	140x275x200
Weight	kgs:	38
Mains connection	:	1/N/PE ~ 230 V 50 Hz
Refrigerant CFC- and HCFC-free:		Mix

Accessories

Cat. No.

ProfiTec Temperature Monitoring and Recording System (see separate data sheet).	GPTEC4A
ProfiCaller telephone dialler.	on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.	ZPM2-023-2L
Forced air circulation.	on request
MIN/MAX thermometer to be placed in refrigerators or freezers.	ZXX2-019-001
Measuring range -50/+50 °C, an add. temperature sensor is not required.	
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.	ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.	
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.	ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.	

ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port



MIN/MAX digital thermometer with add. temperature sensor

Laboratory Upright Freezer ProfiLine Pegasus PLPE0186EWN



Temperature range	°C:	-40/-90
Content	litres (gross):	7
Ext. dimensions (WxDxH)	mm:	400x630x665
Int. dimensions (WxDxH)	mm:	150x143x310
Depth with door opened	mm:	960
Weight	kgs:	54
Mains connection	:	1/N/PE ~ 230 V 50-60 Hz

See separate data sheet.

Laboratory Chest Freezer ProfiLine Taurus PLTA

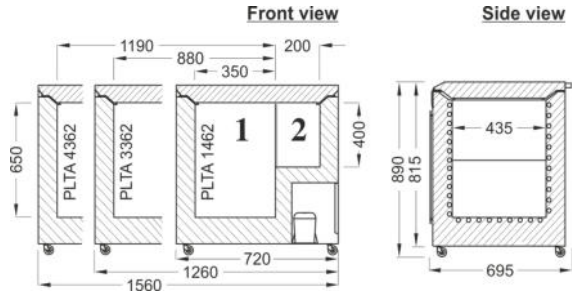
- Static cooling and manual defrost
- Most reliable and less complicated compressor technology, low-noise
- Micro-processor driven temperature controller with digital display
- Visual/audible alarm device
 - Alarm warning for excess and insufficient temperature
 - No-volt remote alarm contact
- External housing made of white, galvanized steel plate
- Interior made of white plastic
- Lockable lid and spring-loaded hinges to allow opening at any angle
- With castors, supplied separately (except for PLTA 0962 and PLTA 5562, see accessories)
- Storage baskets optional (see below)



Model ProfiLine Taurus	PLTA 0962	PLTA1462	PLTA 3362	PLTA 4362	PLTA 5562
Temperature range	°C: -30/-60	-30/-60	-30/-60	-30/-60	-30/-60
Temperature range -40 °C down to -86 °C see separate data sheet					
Content litres (gross):	74	133	296	383	532
Ext. dimensions (WxDxH) mm:	555x635x885	720x695x890	1260x695x890	1560x695x890	1705x655x865
Int. dimensions 1 (WxDxH) mm:	387x387x470	350x435x650	880x435x650	1190x435x650	1340x490x700
Int. dimensions 2 (WxDxH) mm:	—	200x435x400	200x435x400	200x435x400	200x490x450
Height at open top mm:	1480	1500	1500	1500	1540
Baskets optional (max. quantity) :	4 (type A)	4 (type B)	13 (type B)	16 (type B)	19 (type C)
Weight kgs:	53	55	76	88	107
Mains connection :	< 1/N/PE ~ 230 V 50-60 Hz >				
Shipping dimensions (WxDxH) mm:	750x700x1140	800x730x1040	1320x800x1040	1620x800x1040	1720x800x1200
Shipping weight kg:	63	66	91	103	131
Refrigerant :	Mix	Mix	Mix	Mix	Mix

Accessories

Accessories	Cat. No.
ProfiTec Temperature Monitoring and Recording System (see separate brochure).	GPTEC4A
ProfiCaller telephone dialler.	on request
Pt-100 temperature sensor, additionally installed for external temperature recording.	ZXX2-020-2L
CO ₂ back-up system, free-standing.	ZXX2-093
Facilities for customer connection of CO ₂ back-up system.	ZPLTA2-094
Ex-Version „Interior free of ignition sources.“	ZPLTA1-070
Transport carriage with 4 swivel castors (for PLTA 0962).	ZPLTA5-21-09xx
4 castors, 2 lockable (for PLTA 5562).	on request
Storage basket (type A), 192x384x190 mm (WxDxH).	ZXX4-084
Storage basket (type B), 220x430x200 mm (WxDxH).	ZXX4-085
Storage basket (type C), 220x480x215 mm (WxDxH).	ZXX4-093



ProfiTec Intelligent Temperature Monitoring and Recording System

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- Can be fed to PC via RS 232 port



Storage sets with matching vertical racks made of stainless steel

	PLTA 0962	PLTA 1462	PLTA 3362	PLTA 4362	PLTA 5562
Number of racks when fully equipped	4 or 5	18	3	24	3
Type of box	ALPHA Box BRAVO Box EPPi® Box	ALPHA Box BRAVO Box EPPi® Box	ALPHA Box BRAVO Box EPPi® Box	ALPHA Box BRAVO Box EPPi® Box	ALPHA Box BRAVO Box EPPi® Box
50 mm	Cat. No. TA50-08AN, TE50-08AN, TE50-08AN	Cat. No. TA50-11AN, TE50-11AN, TE50-11AN	Cat. No. TA50-06AN, TE50-06AN, TE50-06AN	Cat. No. TA50-11AN, TE50-11AN, TE50-11AN	Cat. No. TA50-06AN, TE50-06AN, TE50-06AN
75 mm	Cat. No. TA75-05AN, TB75-05AN, TE80-05AN	Cat. No. TA75-07AN, TB75-07AN, TE80-07AN	Cat. No. TA75-04AN, TB75-04AN, TE80-04AN	Cat. No. TA75-07AN, TB75-07AN, TE80-07AN	Cat. No. TA75-04AN, TB75-04AN, TE80-04AN
100 mm	Cat. No. TA100-04AN, TE102-04AN, TE102-04AN	Cat. No. TA100-03AN, TE102-03AN, TE102-03AN	Cat. No. TA100-03AN, TE102-03AN, TE102-03AN	Cat. No. TA100-03AN, TE102-03AN, TE102-03AN	Cat. No. TA100-03AN, TE102-03AN, TE102-03AN

www.NationalLab.com

National Lab GmbH
Grambeker Weg 157
D-23879 Moelln
Tel.: +49 45 42 / 84 91 - 70
Fax: +49 45 42 / 84 91 - 71
e-Mail: LabSales@NationalLab.com



Laboratory Chest Freezer ProfiLine Taurus PLTA

- Static cooling and manual defrost
- Most reliable and less complicated compressor technology, low-noise
- Micro-processor driven temperature controller with digital display
- Visual/audible alarm device
 - Mains-independent
 - Alarm warning for excess and insufficient temperature
 - No-volt remote alarm contact
- RS 485 port
- Integrated data logger with USB port for data download
- External housing made of white, galvanized steel plate
- Interior made of white plastic
- Inner lids
- Lockable lid and spring-loaded hinges to allow opening at any angle
- With castors, supplied separately (except for PLTA 09..., see accessories)
- Storage baskets optional (see below)



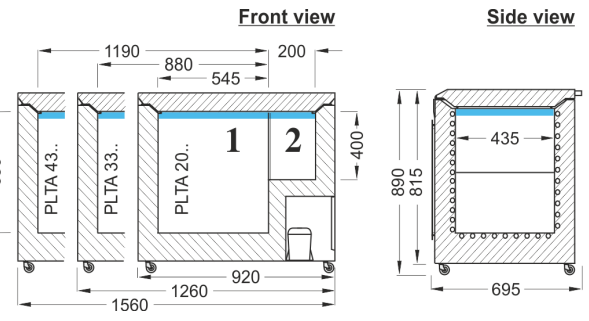
Model ProfiLine Taurus	PLTA 0986 ¹⁾	PLTA 2086 ¹⁾	PLTA 3386 ¹⁾	PLTA 4386 ¹⁾
Temperature range	°C: -40/-86	-40/-86	-40/-86	-40/-86
Temperature range -30 °C down to -60 °C see separate data sheet				
Content	litres (gross): 74	189	296	383
Ext. dimensions (WxDxH)	mm: 555x635x885	920x695x890	1260x695x890	1560x695x890
Int. dimensions 1 (WxDxH)	mm: 385x385x470(450 ²⁾)	545x435x650 (625 ²⁾)	880x435x650 (625 ²⁾)	1190x435x650 (625 ²⁾)
Int. dimensions 2 (WxDxH)	mm: —	200x435x400 (375 ²⁾)	200x435x400 (375 ²⁾)	200x435x400 (375 ²⁾)
Height at open top	mm: 1480	1500	1500	1500
Baskets optional (max. quantity) : 4 (type A)		7 (type B)	13 (type B)	16 (type B)
Weight	kgs: 53	64	88	98
Mains connection	:	< 1/N/PE ~ 230 V 50-60 Hz >		
Shipping dimensions (WxDxH) mm:	680x640x1160	1016x756x1058	1355x755x1118	1655x755x1118
Shipping weight	kg: 83	104	114	132
Refrigerant	: Mix	Mix	Mix	Mix

Accessories

ProfiTec Temperature Monitoring and Recording System (see separate brochure).
 ProfiCaller telephone dialler.
 Pt-100 temperature sensor, additionally installed for external temperature recording.
 CO₂ back-up system, free-standing.
 Facilities for customer connection of CO₂ back-up system.
 Ex-Version „Interior free of ignition sources.“
 Transport carriage with 4 swivel castors (for PLTA 09...).
 Storage basket (type A), 192x384x190 mm (WxDxH).
 Storage basket (type B), 220x430x200 mm (WxDxH).

Cat. No.

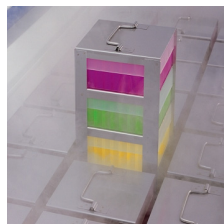
GPTEC4A
 on request ZXX2-020-2L
 ZXX2-093
 ZPLTA2-094
 ZPLTA1-070
 ZPLTA5-21-09xx
 ZXX4-084
 ZXX4-085



¹⁾ Models PLTA ..86 with integrated data logger.

²⁾ The heights in brackets apply when the supplied internal covers are used.

Storage sets with matching vertical racks made of stainless steel



	PLTA 09..	PLTA 20..	PLTA 33..	PLTA 43..
Number of racks when fully equipped	4 or 5	on request	18	24
Type of box	ALPHA Box BRAVO Box EPPi® Box	ALPHA Box BRAVO Box EPPi® Box	ALPHA Box BRAVO Box EPPi® Box	ALPHA Box BRAVO Box EPPi® Box
50 mm	Cat. No. TA50-08AN, TE50-08AN, TE50-08AN	on request	Cat. No. TA50-11AN, TE50-11AN, TE50-11AN	Cat. No. TA50-11AN, TE50-11AN, TE50-11AN
75 mm	Cat. No. TA75-05AN, TB75-05AN, TE80-05AN	on request	Cat. No. TA75-07AN, TB75-07AN, TE80-07AN	Cat. No. TA75-07AN, TB75-07AN, TE80-07AN
100 mm	Cat. No. TA100-04AN, TE102-04AN, TE102-04AN	on request	Cat. No. TA100-03AN, TE102-03AN, TE102-03AN	Cat. No. TA100-03AN, TE102-03AN, TE102-03AN

www.NationalLab.com

National Lab GmbH
 Grambeker Weg 157
 D-23879 Moelln
 Tel.: +49 45 42 / 84 91 - 70
 Fax: +49 45 42 / 84 91 - 71
 e-Mail: LabSales@NationalLab.com



Chest Freezer ProfiLine Ultimus PLULC

- Static cooling and manual defrost (optional with forced air circulation)
- Micro-processor driven temperature controller with digital display and password protection
 - Visual/audible alarm device, mains-independent
 - Alarm warning for excess and insufficient temperature
 - Power failure alarm
 - Probe failure alarm
 - Condenser failure alarm
 - Low batterie alarm
 - Lid open alarm
 - No-volt remote alarm contact for connection to an alarm system on the premises
- External housing made of white, galvanized steel plate
- Lockable lid and spring-loaded hinges to allow opening at any angle
- Interior made of stainless steel CNS
- Inner lids
- 4 swivel castors



ProfiLine Ultimus PLULC33501

Model ProfiLine Ultimus PLULC17501EWN PLULC33501EWN PLULC48501EWN

Temperature range	°C: -35/-50	-35/-50	-35/-50
Content	litres (gross): 170	330	480
Ext. dimensions (WxDxH) mm:	900x1000x1240	1500x860x1240	1950x880x1120
Int. dimensions (WxDxH) mm:	630x490*x550	1240x490*x550	1220x520*x750
Height at open top	mm: 2125	1990	1900
Weight	kgs: 110	270	320
Mains connection	: 1/N/PE ~ 230 V 50 Hz	1/N/PE ~ 230 V 50 Hz	1/N/PE ~ 230 V 50 Hz
Shipping dim. (WxDxH) mm:	1100x1070x1730**	1700x930x1730**	2150x950x1610**
Shipping weight	kgs: -	-	-
Refrigerant CFC- and HCFC-free	: R404A	R404A	R404A

* Internal depth minus 50 mm when installing the forced air circulation.

** Information for delivery in wooden case (optional).

ProfiLine Ultimus chest freezers can be manufactured according to customers' requirements. Temperatures down to **-85 °C** are possible.



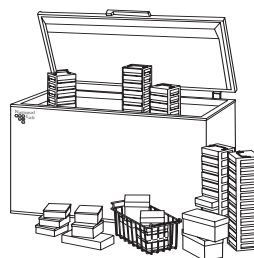
Option "forced air circulation"

ProfiLine Ultimus + Accessories:

	Cat. No.
ProfiLine Ultimus PLULC17501EWN	GTPLULC17501EWN
ProfiLine Ultimus PLULC33501EWN	GTPLULC33501EWN
ProfiLine Ultimus PLULC48501EWN	GTPLULC48501EWN
ProfiTec Temperature Monitoring and Recording System (see sep. brochure).	GPTEC4A
ProfiCaller telephone dialler (see sep. brochure).	on request
Pt-100 temperature sensor, additionally installed for external temperature recording.	ZXX2-020-2L
Forced air circulation.	ZPLUL9-001
Duct to storage compartment 28 mm in diameter.	ZPLUL1-001
Water-cooled version (water-cooled condenser).	on request
MIN/MAX thermometer to be placed in refrigerators or freezers.	ZXX2-019-001
Measuring range -50/+50 °C, an add. temperature sensor is not required.	
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.	ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.	
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.	ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.	

Inventory Systems

Stainless steel vertical racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity. Storage systems are also available for this model in our separate brochures. You can also contact us for a personal consultation.



Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.



ProfiTec Intelligent Temperature Monitoring and Recording System



- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

Laboratory Chest Freezer LabStar Mira LSMI

- Static cooling and manual defrost
- Operating panel with thermostat and visual alarm (optional: electronic control with digital display and alarm device)
- External housing made of white, galvanized steel plate
- Interior made of aluminium
- Condensate drain integrated in base
- Lockable lid and spring-loaded hinges to allow opening at any angle
- Interior lighting (except for ex-version)



Model LabStar Mira LSMI	2225WN	3525WN	4525WN	5325WN	6125WN	7125WN
Temperature range standard °C:	-15/-25	-15/-25	-15/-25	-15/-25	-15/-25	-15/-25
- with option electronic control °C:	-10/-25	-10/-25	-10/-25	-10/-25	-10/-25	-10/-25
Content litres (gross) l:	215	347	447	527	607	701
External dimensions mm:						
A	720	1050	1300	1500	1700	1800
B	730	730	730	730	730	770
C	650	650	650	650	650	690
D	860	860	860	860	860	860
E	1560	1560	1560	1560	1560	1600
Internal dimensions mm:						
F	600	930	1180	1380	1580	1680
G	400	730	980	1180	1380	1480
H	690	690	690	690	690	690
I	250	250	250	250	250	250
J	530	530	530	530	530	570
Storage baskets	1	2	2	3	3	3
Weight kgs:	43	54	64	67	77	85
Energy consumption kW/24h:	0.71	0.90	1.05	1.30	1.52	1.95
Mains connection	< 1/N/PE ~ 230 V 50 Hz >					
Shipping dimensions (WxDxH) mm:	770x750x930	1100x750x930	1350x750x930	1550x750x930	1750x750x930	1850x790x930
Shipping weight kgs:	50	60	70	75	80	90
Refrigerant CFC- and HCFC-free	R134a	R134a	R134a	R134a	R134a	R134a

LabStar Mira + Accessories:

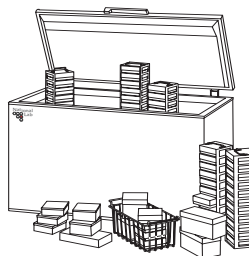
Cat. No.

LabStar Mira LSMI 2225WN	GTLSMI2225WN
LabStar Mira LSMI 3525WN	GTLSMI3525WN
LabStar Mira LSMI 4525WN	GTLSMI4525WN
LabStar Mira LSMI 5325WN	GTLSMI5325WN
LabStar Mira LSMI 6125WN	GTLSMI6125WN
LabStar Mira LSMI 7125WN	GTLSMI7125WN

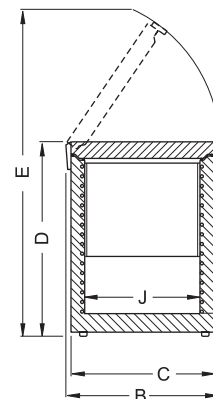
Alarm unit opt./acoust., electronic control with digital display and no-volt remote alarm contact.	ZLSMI2-005+150/-55
Digital temperature display incl. PTC temperature sensor.	ZXX2-015-001
Measuring range +50/-50 °C.	
ProfiTec Temperature Monitoring and Recording System (see sep. brochure).	GPTEC4A
ProfiCaller telephone dialler (see sep. brochure).	on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.	ZXX2-020-2L
Ex-Version „Interior free of ignition sources.“	ZLSMI1-070
Storage basket LSMI 2225 to LSMI 6125, 280x515x220 mm (WxDxH).	ZXX4-089
Storage basket LSMI 7125, 280x565x245 mm (WxDxH).	ZXX4-090
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.	ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.	
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.	ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.	

Inventory Systems

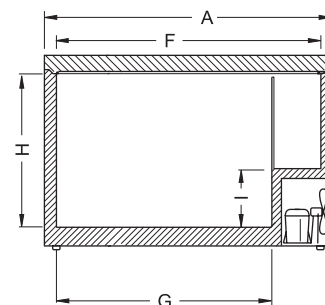
Stainless steel vertical racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity. Storage systems are also available for this model in our separate brochures. You can also contact us for a personal consultation.



Side view



Front view



Laboratory Chest Freezer ProfiLine Pollux PLPO

- Static cooling and manual defrost
- Electronic control and digital display
 - Visual/audible alarm warning for excess and insufficient temperature
 - No-volt remote alarm contact for connection to a remote alarm system
- External housing made of white, galvanized steel plate
- Interior made of aluminium
- Condensate drain integrated in base
- Lockable lid and spring-loaded hinges to allow opening at any angle
- Interior lighting (except for ex-version)



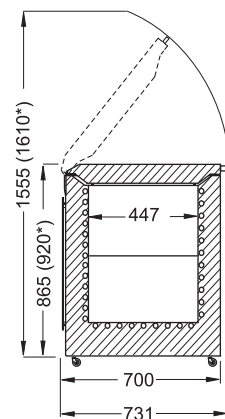
ProfiLine Pollux 3645WN

Model ProfiLine Pollux	PLPO1345WN	PLPO2245WN	PLPO3045WN	PLPO3645WN	PLPO4245WN
Temperature range	°C: -5/-45	-5/-45	-5/-45	-5/-45	-5/-45
Content litres (gross):	130	226	299	358	416
Ext. dimensions (WxDxH) mm:	725x731x865	1055x731x865	1305x731x865	1505x731x865	1705x731x865
Int. dimensions 1 (WxDxH) mm:	< see sketch >				
Int. dimensions 2 (WxDxH) mm:	< see sketch >				
Height at open top mm:	1555	1555	1555	1555	1555
Weight kgs:	43	54	64	67	77
Mains connection	: < 1/N/PE ~ 230 V 50 Hz >				
Insulation CFC-free mm:	100	100	100	100	100
Shipping dimensions (WxDxH) mm:	825x831x1065	1155x831x1065	1405x831x1065	1605x831x1065	1805x831x1065
Shipping weight kgs:	48	59	69	72	82
Refrigerant CFC- and HCFC-free	: R290	R290	R290	R290	R290

ProfiLine Pollux + Accessories:

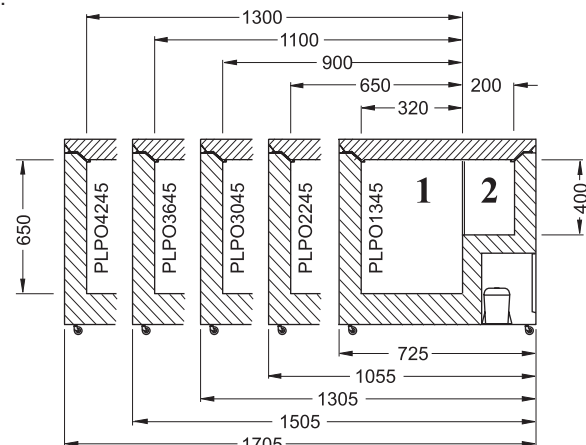
	Cat. No.
ProfiLine Pollux PLPO 1345WN	GTPLO1345WN
ProfiLine Pollux PLPO 2245WN	GTPLO2245WN
ProfiLine Pollux PLPO 3045WN	GTPLO3045WN
ProfiLine Pollux PLPO 3645WN	GTPLO3645WN
ProfiLine Pollux PLPO 4245WN	GTPLO4245WN
ProfiTec Temperature Monitoring and Recording System (see sep. brochure).	GPTEC4A
ProfiCaller telephone dialler (see sep. brochure).	on request
Pt-100 temperature sensor, add. installed for ext. temperature recording.	ZXX2-020-2L
Ex-Version „Interior free of ignition sources.“	on request
4 castors (2 lockable), factory assembled.	ZPLPO5-022-4245
Storage basket, 285x445x250 mm (WxDxH).	ZXX4-087
MIN/MAX thermometer to be placed in refrigerators or freezers.	ZXX2-019-001
Measuring range -50/+50 °C, an add. temperature sensor is not required.	
MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C.	ZXX2-019-011
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.	
Temperature sensor for MIN/MAX thermometer ZXX2-019-011.	ZXX2-022-100
Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.	

Side view



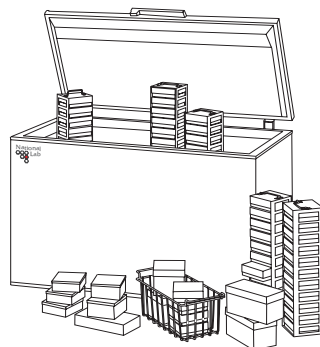
* Incl. castors

Front view



Inventory Systems

Stainless steel vertical racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity. Storage systems are also available for this model in our separate brochures. You can also contact us for a personal consultation.



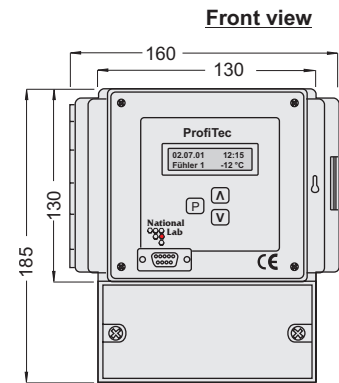
Temperature Monitoring and Recording System ProfiTec

Temperature monitoring and recording system for up to 4 refrigerators and freezers, ovens and incubators. Operating panel with digital display options for date, time, temperature of the 4 measuring stations, automatic adjustment from summer to winter time. The digital display is also used for programming. Measuring stations can be individually identified. Acoustic alarm device with individually adjustable warning levels and delay times. No-Volt remote alarm contact for connection to central control stations or telephone relaying. 3 signal inputs for door contact and/or system fault. Records up to 4 measuring stations simultaneously over a period of up to 781 days (5-minute intervals). Storage intervals selectable from 1 to 60 minutes. The readings are stored even in the event of a power failure. A rechargeable battery is available as an option and enables readings to be taken and stored even during a power cut. The measuring protocol can be read out directly on the instrument or PC via the RS 232 port (for software see Accessories). Up to 79 ProfiTec units can be linked within a network via the RS 485 port. The measuring protocols can then be called up individually with the PC. The casing is made of plastic with a transparent cover for the operating panel. Screws and a set of plugs are included for mounting the instrument on a wall.

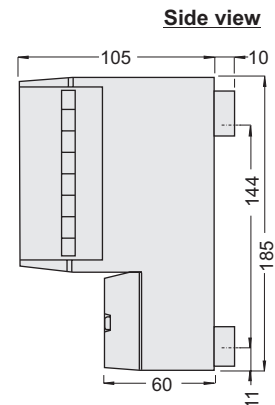


ProfiTec 424A

Temperature monitoring range	°C: +600/-110
Resolution	°C: 0.5
Ambient temperature	°C: 0 to +50
External dimensions (WxDxH)	mm: 160x105x185
Power consumption	watts: 5
Measuring stations	: 4
Signal inputs	: 3 x 230 V with time delay
Storage capacity for readings	: 225,000
Interfaces	: RS 232 - serial port : RS 485 - PC network
Calibration	: factory preset, maintenance free
Protective system electrical	: IP 54
Mains connection	: 1/N/PE ~ 230 V 50-60 Hz



Front view



Side view

ProfiTec + Accessories:

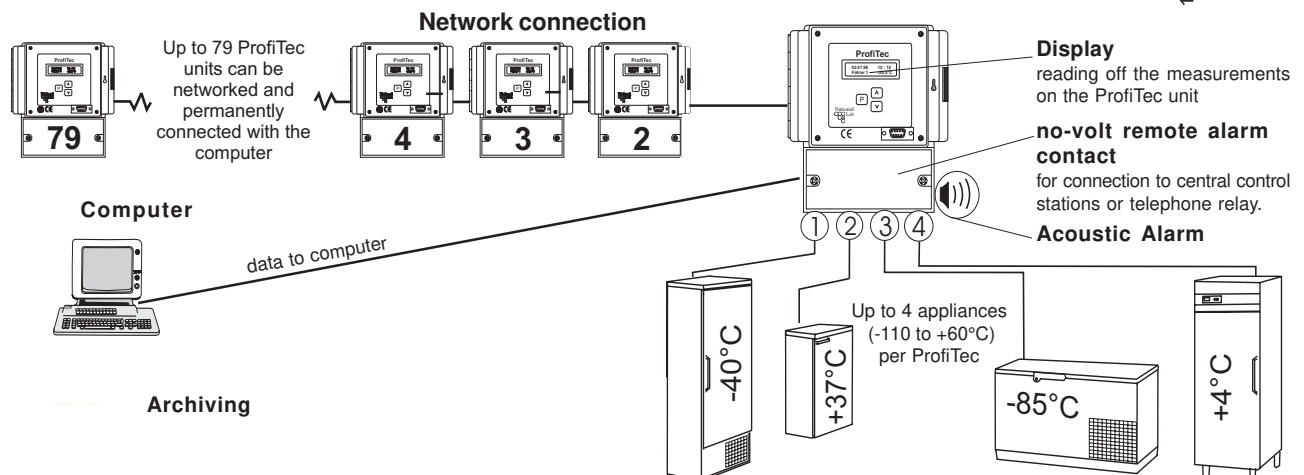
Cat. No.

ProfiTec 424A	GPTEC4A
Temperature sensor with 6-m lead.	ZPTEC2-040-06
Temperature sensor with 12-m lead.	ZPTEC2-040-12
Temperature sensor with 30-m lead.	ZPTEC2-040-30
Temperature sensor with other lead.	on request
Set of rechargeable batteries 12V / 1.3 Ah.	ZPTEC2-041
and Printer (RS 232 port), 1.5 m long.	ZPTEC2-043
and PC (RS 232 port), 3 m long.	
Software for evaluation and recording for Windows.	ZPTEC2-042-XP
Digital converter for networking the ProfiTec units with a PC. With integrated power supply.	ZPTEC2-044-NT
Connection lead between ProfiTec and digital converter for networking (price per metre).	ZPTEC2-046
Converter USB 2.0 / RS 232.	ZPTEC2-044-RS232-USB



Tel.: +49 45 42 / 84 91 - 70
 Fax: +49 45 42 / 84 91 - 71
 e-Mail: LabSales@NationalLab.com

National Lab GmbH
 Grambeker Weg 157
 D-23879 Moelln



ProfiCool

Intelligent Recirculating Chillers



Recirculating Chillers ProfiCool *Minimus*

Air-cooled cooling unit with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat.

Model ProfiCool <i>Minimus</i>		PCMin 04.02	PCMin 06.02
Refrigerant	CFC-free	R134a	R134a
Cooling capacity at +20°C/+15°C	Watt	350/310	500/450
Operating range	°C	+5 / +25	+5 / +25
Pump capacity	l/min	12.5	12.5
Pump pressure	bar	0.75	0.75
Tank capacity	litre	7	7
Water connection (quick connection)		for hose 12 mm outside diameter	
Operating voltage	Ph/Volt/Hz	1/N/PE/230/50-60	1/N/PE/230/50-60
Weight	kg	22	25
Dimensions (WxDxH)	mm	413x283x415	413x283x415



Recirculating Chillers ProfiCool *Primus*

Air-cooled cooling unit with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat for temperature constancy ± 0.5 K.

Model ProfiCool <i>Primus</i>		PCPR 009	PCPR 013	PCPR 020
Refrigerant	CFC-free	R134a	R134a	R404a
Cooling capacity at +20°C/+15°C	kW	0.6 / 0.4	1.0 / 0.8	1.7 / 1.4
Operating range	°C	+5 / +30	+5 / +30	+5 / +30
Temperature constancy*	K	± 0.5	± 0.5	± 0.5
Rated coolant flow	m ³ /h	0.35	0.35	0.35
Pump pressure	bar	5.0	5.0	5.0
Tank capacity	litre	4	4	4
Water connection (quick connection)		for hose 12 mm outside diameter		
Operating voltage	Ph/Volt/Hz	1/N/PE/230/50-60	1/N/PE/230/50-60	1/N/PE/230/50-60
Weight	kg	35	42	48
Dimensions (WxDxH)	mm	235x520x625	235x520x625	235x520x625

* Temperature constancy optional available: ± 0.1 K

more units up to 10 kW available



Recirculating Chillers (19") ProfiCool *Exactus*

Air-cooled cooling unit as 19" rack with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat for temperature constancy ± 0.1 K.

Model ProfiCool <i>Exactus</i>		PCEX 014	PCEX 020	PCEX 055
Refrigerant	CFC-free	R134a	R404a	R404a
Cooling capacity at +20°C	kW	1.2	1.8	5.3
Operating range	°C	+15 / +30	+15 / +30	+15 / +30
Temperature constancy	K	± 0.1	± 0.1	± 0.1
Pump capacity	l/min	4-5	5-20	5-40
Pump pressure	bar	0-8	0.5-4	0.7-3.5
Tank capacity	litre	6	4.5	20
Water connection (plug connection)		for hose 12 mm outside diameter		¾" G
Operating voltage	Ph/Volt/Hz	1/N/PE/230/50-60	1/N/PE/230/50-60	3/PE/380-415/50 3/PE/460-480/60
Weight	kg	35	40	55
Dimensions (WxD)	mm	440x455	440x500	440x580
Height (1 rack unit = 44.5 mm)	RU	6	7.5	18



For all units we provide a wide range of options.
www.NationalLab.eu

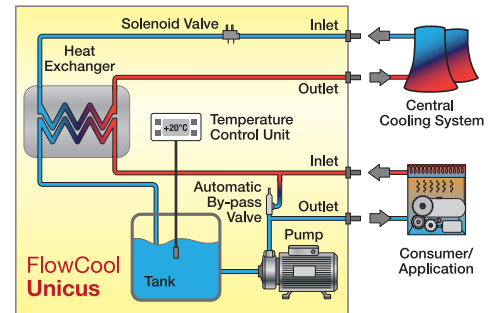
ProfiCool

Intelligent Recirculating Chillers



Water-to-Water Heat Exchanger System FlowCool Unicus

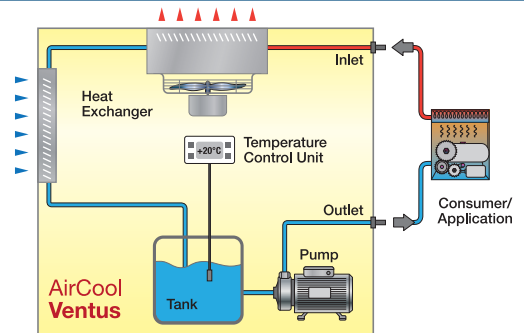
Heat exchanger system without active refrigeration for connection to an "in-house cooling circuit". Exchanging system with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat for application cooling circuit.



Model FlowCool Unicus		FCUN 001	FCUN 004	FCUN 006	FCUN 011
Cooling capacity	kW	1.3	3.8	6.5	11.5
Operating range cooling temperature	°C	+10/+50	+10/+50	+10/+50	+10/+50
Temperature constancy	K	±2	±2	±2	±2
Rated coolant flow	m³/h	0.2	0.7	1.1	2.0
Pump pressure	bar	2.9	2.9	4.2	2.3
Tank capacity	litre	10	10	10	10
Water connection		(hose olives) for hose 12 mm inside-Ø		Female R ½"	
Operating voltage	Ph/Volt/Hz	1/N/PE/230/50	1/N/PE/230/50	1/N/PE/230/50	1/N/PE/230/50
Weight	kg	19	22	32	33
Dimensions (WxDxH)	mm	230x520x650	445x575x540	445x575x540	445x575x540

Air-to-Water Heat Exchanger System AirCool Ventus

Heat exchanger system without active refrigeration for heat discharged into the ambient air. Application cooling circuit with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat.

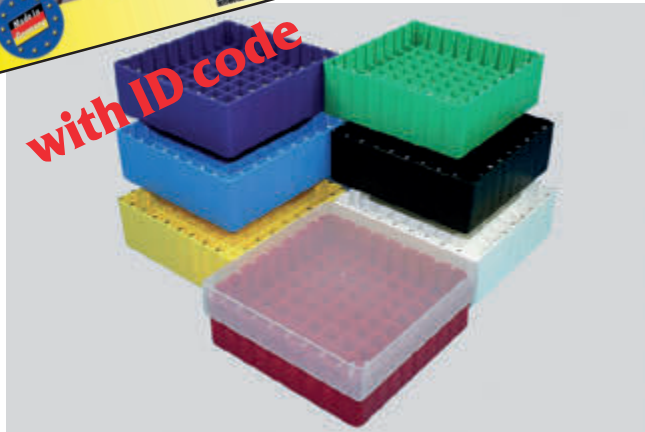


Model AirCool Ventus		ACVE 001	ACVE 002	ACVE 004
Cooling capacity at dT of 5K/20K	kW	0.8 / 3.2	1.3 / 5.2	3.9 / 15.6
Cooling medium		water	water	water
Rated coolant flow	m³/h	0.6	0.6	0.7
Pump pressure	bar	2.9	2.9	2.8
Tank capacity	litre	10	10	30
Water connection		(hose olives) for hose 12 mm inside-Ø		Female R ¾"
Required flow of cooling air	m³/h	880	800	2,100
Operating voltage	Ph/Volt/Hz	1/N/PE/230/50	1/N/PE/230/50	1/N/PE/230/50
Weight	kg	23	25	101
Dimensions (WxDxH)	mm	230x520x650	230x520x650	580x650x920

EPPI® Box made of Polypropylene

130 x 130 mm

Selection from Catalogue



EPPI® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. Without ID code. (See also page 8: KEA45)

Cat. No.	Colour	Cat. No.	Colour
KEA50-C81NA	natural	KEA50-C81YE	yellow
KEA50-C81NY	neon-yellow	KEA50-C81BU	blue
KEA50-C81NB	neon-blue	KEA50-C81GR	green
KEA50-C81NG	neon-green	KEA50-C81RE	red
KEA50-C81NP	neon-red/pink	KEA50-C81VT	violet
KEA50-C81NO	neon-orange	KEA50-C81BL	black
KEA50-C81WH	white	KEA50-C81BB	black/black*

*black/black: Lower half and lid black for light-sensitive samples

EPPI® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. With alphanumeric ID code on all 4 sides. (See also page 8: KEB45)

Cat. No.	Colour	Cat. No.	Colour
KEB50-C81NA	natural	KEB50-C81YE	yellow
KEB50-C81NY	neon-yellow	KEB50-C81BU	blue
KEB50-C81NB	neon-blue	KEB50-C81GR	green
KEB50-C81NG	neon-green	KEB50-C81RE	red
KEB50-C81NP	neon-red/pink	KEB50-C81VT	violet
KEB50-C81NO	neon-orange	KEB50-C81BL	black
KEB50-C81WH	white	KEB50-C81BB	black/black*

*black/black: Lower half and lid black for light-sensitive samples

EPPI® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. With alphanumeric ID code on all 4 sides as well as on the bottom of the box (transparent). (See also page 8: KEC45)

Cat. No.	Colour
KEC50-C81NA	natural
KEC50-C81NY	neon-yellow
KEC50-C81NB	neon-blue
KEC50-C81NG	neon-green
KEC50-C81NP	neon-red/pink
KEC50-C81NO	neon-orange

EPPI® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. With alphanumeric ID code on all 4 sides as well as on the bottom of the box (transparent) and on the lid. (See also page 8: KEE45)

Cat. No.	Colour
KEE50-C81NA	natural
KEE50-C81NY	neon-yellow
KEE50-C81NB	neon-blue
KEE50-C81NG	neon-green
KEE50-C81NP	neon-red/pink
KEE50-C81NO	neon-orange

Nothing is impossible!

Well-organized freezers and refrigerators are an essential prerequisite for systematic, efficient and ultimately successful work – not only in scientific laboratories.

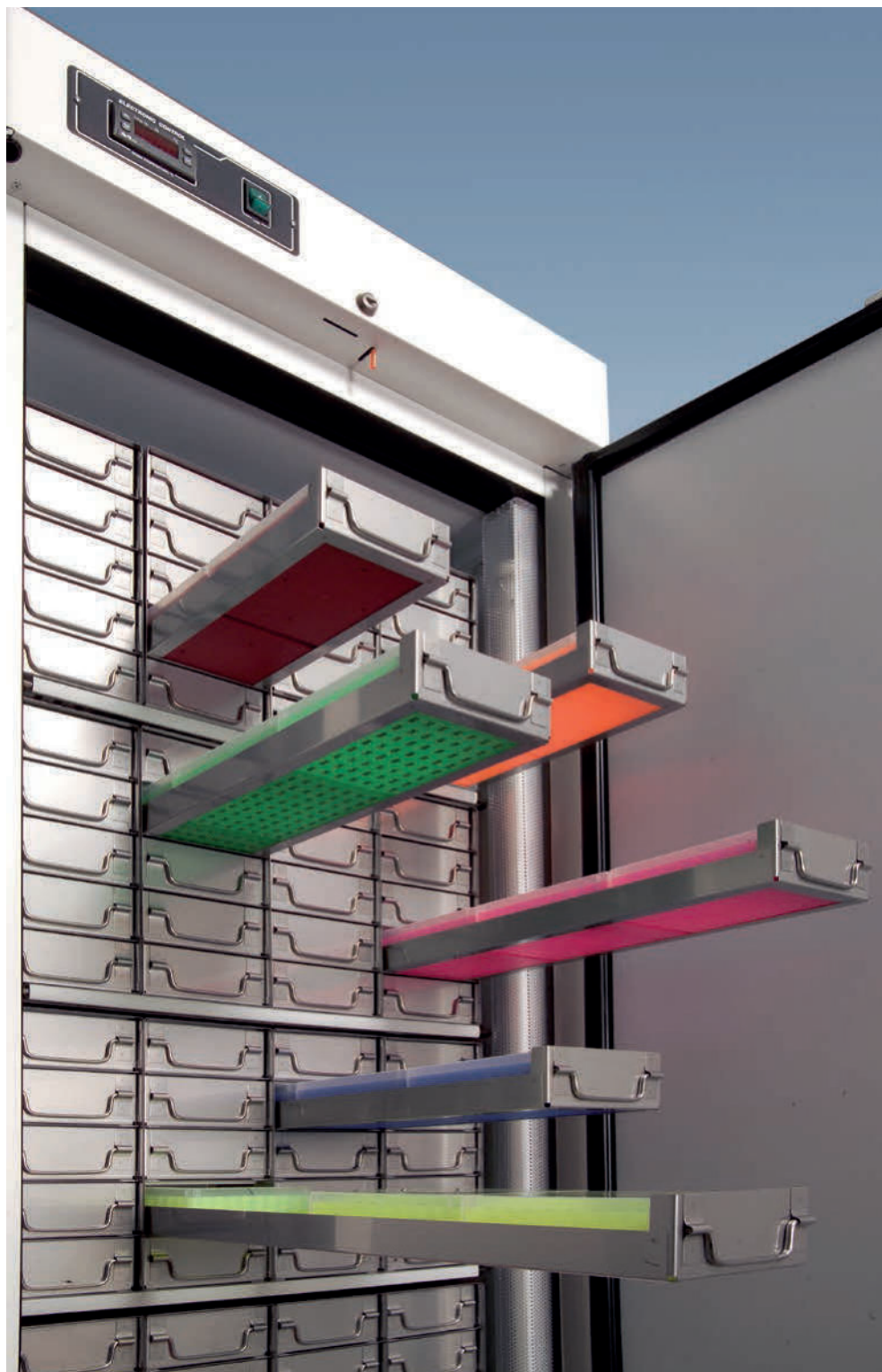
We provide the means to fulfil this prerequisite and devote ourselves to the task from a sense of conviction and with passion.

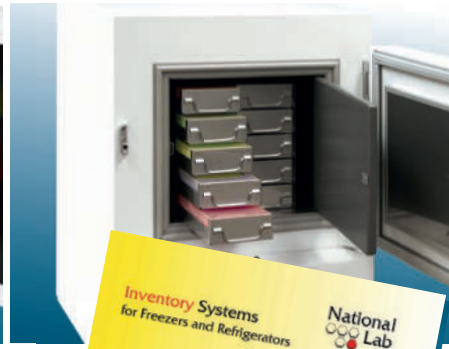
In fact, it is a passion for practical details and our liking for intelligent solutions.

This catalogue contains many suggestions for the interior fittings of all brands of refrigerator and freezer cabinets as well as freezer chests.

If you are looking for a solution to a problem or need assistance in setting up your refrigeration equipment, please contact us.

We will always be able to offer you a solution and will be glad to help you.





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National Lab GmbH
Refrigeration Technology
Grambeker Weg 157
D-23879 Moelln
Tel.: +49 45 42/84 91-70
Fax: +49 45 42/84 91-71
E-mail: LabSales@NationalLab.com
www.NationalLab.com

