

KIBRON AquaPi and AquaPi +

**ACCURATE AND FAST SURFACE
TENSION MEASUREMENTS,
PRACTICALLY EVERYWHERE**



Surface tension – precisely

Kibron



**KIBRON AquaPi —
AT HOME EVERYWHERE**

KIBRON AquaPi -

A BATTERY OPERATED, PORTABLE TENSIOMETER

The Kibron AquaPi is the first battery operated portable tensiometer rugged enough for field operation & on-site measurements. With AquaPi you can measure surface tension easily and rapidly, practically anywhere: in the field and in the laboratory, in the classroom, in oil refineries, dairies, water purification plants, chrome plating plants, in vegetable safety assessment, to mention just a few examples.

ACCURATE AND FAST SURFACE TENSION MEASUREMENTS

- Rapid, fully automated measurements
- Handy for basic research in surface chemistry
- Simple tensiometer for educational purposes
- Single-use sample cups reduce contamination risk

AquaPi

- Ideal for on-site measurement
- Uses a long life battery providing up to 24 hour continuous use
- Easy to Set Up and Operate
- User friendly hand held controller with a clear digital readout

AquaPi +

- Enhanced version of the AquaPi
- All the same features plus;
 - Connectivity via USB port
 - Full Software Control for data plotting & storage
 - Faster Calibration
 - Option for Time Dependant (Wilhelmy mode) measurements



"I find, the instrument user friendly, robust and data obtained is reliable. The easiness and simplicity of measurement protocol is liked by the students."

Prof. H. B. Bohidar

Polymer & Biophysics Laboratory

School of Physical Sciences and Special Center for Nanosciences

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TECHNICAL DATA

AquaPi

Measuring range

- 10-100 mN/m

Accuracy/sensitivity

- 0.1mN/m

Sensitivity

- 1.6 μ g

Measurement probe

- DyneProbe, \varnothing 0,51 mm

Sample cup material

- PP, PTFE, Glass

Weight

- 2,2 kg

Dimensions

- 26 x 8 x 16 cm (10.2 x 3.1 x 6.3 in)

Average time per measurement

- Around 30 seconds

Power/communication

- 15 V DC (input 100 - 240 VAC)

Battery life time

- 6-10 years

AquaPi +

Measuring range

- 10-100 mN/m

Accuracy/Sensitivity

- 0,01 mN/m

Sensitivity

- 1.6 μ g

Measurement probe

- DyneProbe, \varnothing 0,51 mm

Sample cup material

- PP, PTFE, Glass

Weight

- 1,3 kg

Dimensions

- 26 x 8 x 16 cm (10.2 x 3.1 x 6.3 in)

Average time per measurement

- Around 30 seconds

Power/communication

- USB

FOR EASE OF USE AND REPRODUCIBILITY THE KIBRON AQUA PI ACCESSORIES HELP YOU OBTAIN THE MAXIMUM OUT OF YOUR MEASUREMENTS

SPECIFICATIONS & BENEFITS

DyneProbe

Microsize du Nouÿ probe

- Inert metal alloy Ø 0.51mm
- Allows for small sample volumes
- Easy to clean, economical to use



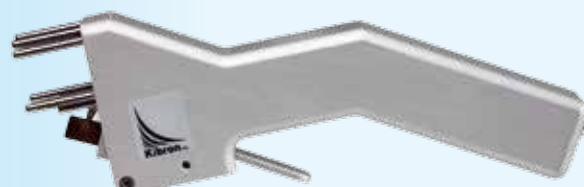
DyneCup Sample cuvette

- Borosilicate glass
- For interfacial tension measurement
- Washable and reusable



DyneCup Sample cuvette

- Polypropylene
- Chemically resistant
- Disposable and recyclable



ProbeHandler

- Mounting / demounting tool for the DyneProbe
- Provides ease of use and helps protect the microbalance

ProbeStation

- Station for the ProbeHandler, and for the spare DyneProbes
- Ease of use and avoids contamination



KIBRON TENSIOMETERS

MODELS

Features	Aqua Pi	Aqua Pi +	EZ-Pi +
S.T. Du Nouÿ - Padday	■	■	■
S.T. Wilhelmy	-	○	■
IFT	-	-	■
Temperature Measurements	-	-	■
Temperature Control*	-	-	■
High viscosity samples	-	○	■
In-Built Stirrer	-	-	○
Built-In battery	■	-	-
Computer interface	-	■	■
Hand held controller	■	-	-

■ Default feature

- Not available

○ Optional

* External water bath required



Kibron Inc. manufactures state-of-the-art tensiometers, langmuir-blodgett troughs and gravimetric balances as well as customer specified surface chemistry equipment and screening technology to overcome today's challenges in chemical industry. Since its founding, 1994, Kibron has focused on innovation, user benefits and dependable service.

Kibron Inc.

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