

ST - 3097

Surface Tensiometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► **PRODUCT INTRODUCTION**

The ST 3097 is the first battery operated portable tensiometer rugged enough for field operation & on-site measurements.

With ST 3097 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



►► TECHNICAL DATA

AQUAPI

Measuring range

- 10-100 mN/m

Accuracy/sensitivity

- 0.1mN /m

Sensitivity

- 1.6 µg

Measurement probe

- DyneProbe, ø 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 µg

Measurement probe

- DyneProbe, ø 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 AQUA PI ACCESSORIES HELP YOU OBTAIN THE MAXIMUM OUT OF YOUR MEASUREMENTS

►► SPECIFICATIONS & BENEFITS

DyneProbe Microsize du Noüy 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



Features	Aqua Pi	Aqua Pi +	EZ-Pi +
S.T. Du Nouy - 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

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



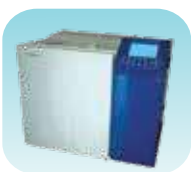
UV/VIS
Spectro 2080+
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Optima Gas
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3007



Optima Gas
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2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



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CLIA



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PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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