

SITA Hand-held Tensiometer



SITA **DynoTester+**

Measuring the Surface Tension – Controlling the Surfactant Concentration

SITA *DynoTester*+

Advantages

Precise

- Display of surfactant concentration within defined limits
- Measured values can be compared with all SITA lab and process tensiometers
- Automatic calibration with water

Flexible

- SITA bubble pressure method: independent of immersion depth of capillary
- Measuring parameter bubble lifetime: 15 ms (highly dynamic) to 20,000 ms (quasi-static)
- 25 measuring profiles for bath control, process documentation and more
- Optional Windows-Software SITA-ProcessLog

Mobile

- Intuitive operation: simple, fast measuring and controlling
- Mobile hand-held tensiometer: no PC or notebook required
- USB interface for data transfer

Robust

- Patented and optimized capillaries for process use
- Robust device housing for atline measurement
- Comfortable case with stand for transport and device storage
- Battery capacity of min. 10 operating hours



Easy testing of surface tension and concentration

Applications

- Controlling the surfactant concentration in industrial parts cleaning processes
- Monitoring the wetting agent concentration in electroplating baths
- Measuring the surface tension of liquids at the plant or in the laboratory
- Quality control of inkjet inks, paints and lacquers/varnishes
- Incoming and outgoing inspections of surfactant containing liquids
- Mobile use for external work



**The SITA DynoTester+
optimally supports process
monitoring and quality control tasks.**

Technical data

Surface tension

Measuring range	10...100 mN/m (dyn/cm)
Measuring deviation	max. 1% of full scale value
Resolution	0.1 mN/m (dyn/cm)

Bubble lifetime / surface age

Bubble lifetime range	15...20,000 ms
Max. deviation	5 %

Sample temperature

Measuring range	0...100 °C
Resolution	0.1 K

Concentration

Measuring range	user-defined
-----------------	--------------

Power supply

Mains adapter / USB	100...240 V / 5 V
Li-Ion Battery	3.6 V / 2,000 mAh min. 10 h operating
Power consumption	2.5 W max.

Interface, memory, dimension, weight

USB-interface	data transfer
Display	LCD, illuminated
Measuring profiles	25
Memory	25 readings/profile
Dimensions (HxWxD)	168 x 75 x 35 mm
Weight	260 g

Windows-Software SITA-ProcessLog (optional)

- Management and graphical analysis of saved measuring data
- Documentation and evaluation of the process and products' characteristics
- Simple and easy preparation of measuring reports
- Controlling the measurement via PC in the laboratory
- Simple generation of concentration curves based on defined samples

Contact

SITA Messtechnik GmbH
Gostritzer Straße 63
01217 Dresden
Germany

Tel.: +49 (0)351 8 71 8041
Fax: +49 (0)351 8 71 8464
info@sita-messtechnik.de
www.sita-process.com | www.sita-lab.com