

SITA Hand-held Tensiometer



SITA **DynoTester+**

Measuring the Surface Tension – Controlling the Surfactant Concentration

FEATURES

Precise

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

Flexible

- Highly dynamic bubble lifetime range adjustable: 15 ms...20,000 ms
- 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
- Battery capacity of min. 10 operating hours

Robust

- Patented and optimized capillary for process use
- Robust device housing for atline measurement
- Comfortable suitcase for transport and device storage, also useful as working surface



Application fields

- Controlling the surfactant concentration in industrial parts cleaning processes
- Monitoring the surfactant 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)
Resolution	0.1 mN/m (dyn/cm)

Bubble lifetime (surface age)

Bubble lifetime range	15...20,000 ms
Resolution	1 ms
Max. deviation	5 %
Max. viscosity	2,000 mPa·s

Sample temperature

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

Concentration

Measuring range	user-defined
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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 (WxHxD)	75 x 168 x 35 in mm
Weight (device)	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

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