

# 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 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

# 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

## UK & Ireland Distributor:

Dyne Testing Ltd  
5 Parkside Court  
Greenhough  
Road Lichfield  
Staffordshire

Tel: 01543 411460  
Fax: 01543 415140  
Email: [sales@dynetesting.com](mailto:sales@dynetesting.com)  
Web: [www.dynetesting.com](http://www.dynetesting.com)