

## FEATURE BENEFITS OF THE SITA *DynoTester*

- Easy to use – begins measuring immediately
- Regulates surface age automatically – no more drift and no manual work required
- Preset parameters reliably prevent measurement deviations through incorrect use
- Measured values stored directly
- Measured values can be compared with all SITA tensiometers

### DIRECT ACCESS OF FUNCTIONS

Selection of bubble lifetime
Start of a measurement
Cleaning the capillary
Automatic calibration of the device
Storage and read-out the measured values

### HIGH-SPEED STORAGE OF THE FOLLOWING VALUES

Surface tension
Temperature
Bubble lifetime
Date and time

### TECHNICAL DATA

Measuring range of surface tension: 15 ... 100 mN/m Resolution: 0.1 mN/m Repeatability: 0.5 mN/m	25 storage positions
Adjustable range of the bubble lifetime: 15 ... 15000 ms 3 bubble lifetimes can be preset Maximum regulation deviation: 5 %	Integrated battery lasts for at least 10 h Dimensions (W x H x D) in mm: 75 x 168 x 35 Length of sensor: 68 mm
Measuring temperature range: 0 ... 100 °C Maximum measuring deviation: 0.3 K	Weight: 250 g
USB interface:	Splash-proof housing Resistant to caustic and acidic splashes
● Data transfer and administration	Illuminated display
● External power supply through mains	Acoustic signal at the end of every measurement
● Charging of the integrated battery	3 soft keys for selecting preset bubble lifetime
	Stand for carrying out measurements during long lifetime of bubbles

**SITA**  
MESSTECHNIK GmbH

# Hand-held Tensiometer



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**SITA**  
MESSTECHNIK GmbH

*Advanced Cleaning Control*

**SITA *DynoTester***

Small yet precise.

**SITA DynoTester**

## Reliable SITA technology at your fingertips:

### MOBILE.



Small, light and with staying power and a battery to last at least 10 operating hours. Now you can measure surface tension on site, at the plant, at your customer's premises or at the laboratory. You can store up to 25 different data records in the instrument or output the data on your laptop. Everything you need wherever you go – at your fingertips!

### PRACTICAL.



User-friendly operating concept, no long menu lists at multiple levels – all operating functions can be accessed directly through the keys!

The DynoTester is supplied with a stand for carrying out measurements on bubbles with a long lifetime.

### PRECISE.



Three soft keys have been specially allocated for the bubble lifetimes which apply to your measuring requirements. The operator only has access to the preset values. This means that manipulations and gross measurement errors through incorrect use are practically excluded.

The measured values can be compared directly with values of other SITA laboratory tensiometers.

### USES

- Controlling surface tension and surface-active cleaning baths in production and quality assurance
- Monitoring the surface tension of surface-active fluids at plants and laboratories
- Quality testing of ink-jet inks
- Testing in electroplating processes
- Quality control of raw material containing surface-active agents
- Portable use for in field users and customer support

### Customer Support

Our application engineers will help you find the best way to use the SITA DynoTester for your specific application area.

We will carry out measurements of your samples and develop a suitable control process together with you. This will ensure that the measuring process is perfectly matched to meet your requirements.

