

online tensiometer
SITA science line t60

**Measuring Surface Tension and
Analysing Surfactants Made Easy**



Ideal as a Laboratory Instrument in
Research and Development

SITA science line t60 is the world's first hand-held laboratory instrument to measure the dynamic surface tension from the highly dynamic to the semi-static range. The tensiometer works by measuring bubble pressure. This is done by pumping air through a capillary into the liquid sample.

The bubble lifetime, or alternatively, the frequency of the generated bubbles, is controlled. The pressure within the bubble is proportional to the surface tension.

The Step from Experiment to
Measurement

The mobile tensiometer SITA science line t60 is best suited for use in laboratories. It offers a wide range of functions with different measurement modes, a graphic display, and the option to save measurement data within the instrument.

The tensiometer is easy to operate due to its menu guided interface. Extensive measuring tasks can be carried out fast and efficiently.

Auto-Mode assists you in quickly analysing the dynamic behaviour of surfactants. In Online-Mode continuous measurements can be carried out with a pre-selected bubble life-time.

With great reliability, you can comfortably and precisely test and optimize your product's temperature and dissolving behaviour as well as other characteristics of its quality.

minimised temperature

SITA
MESSTECHNIK GmbH

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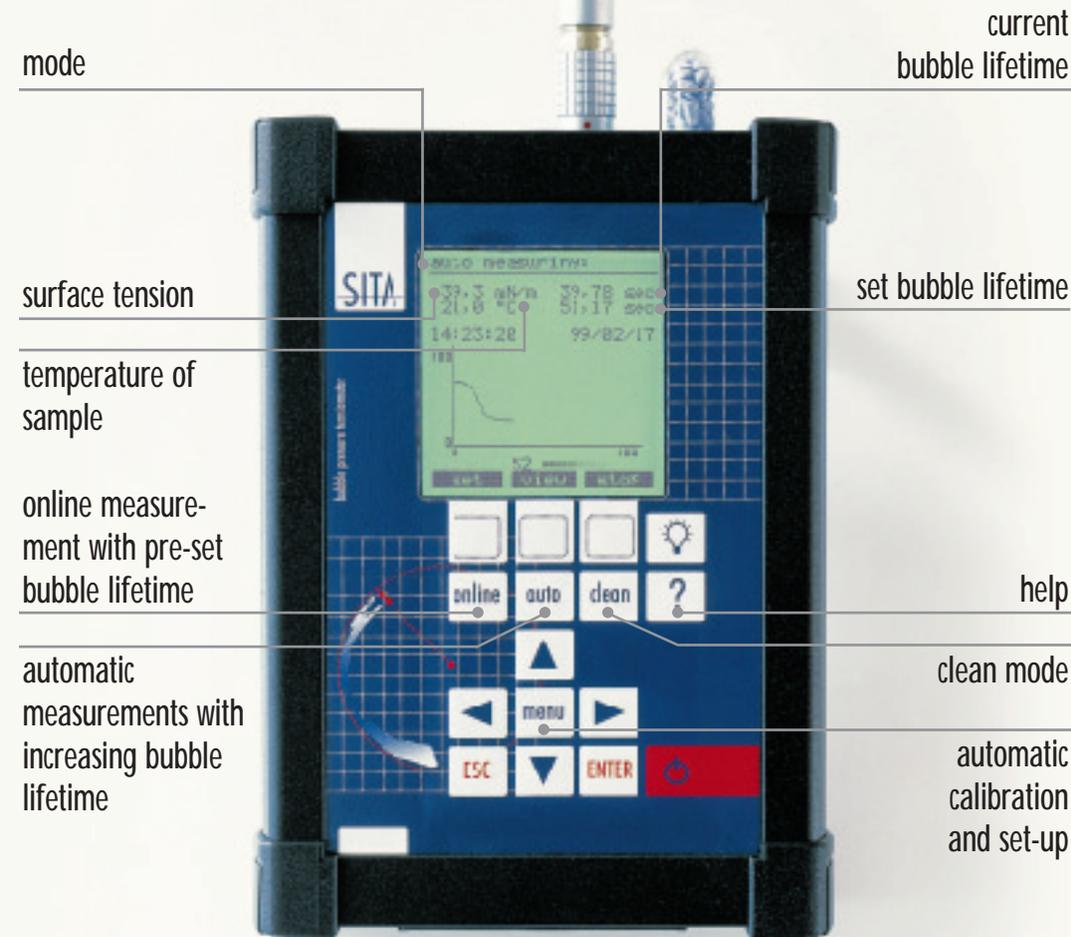
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handy

- fast and easy instrument set-up
- menu guided interface
- saves measurements within the instrument
- good travel companion in its own suitcase

precise

- monitors temperature of the liquid
- automatic calibration with water
- precise readings taken with capillary at any depth
- regulates either bubble lifetime or bubble frequency



Technical Data

Surface Tension

Measuring Range 10 ... 100 mN/m (dyn/cm)
 Resolution 0.1 mN/m (dyn/cm)

Bubble Lifetime

Controlled Range 30 ms ... 60 s
 Resolution 1 ms

Temperature of Sample Liquid

Measuring Range -100 ... 150°C
 Resolution 0.1°C

Memory

16 MByte
 (several 100 measurements)

Power Supply

Power Consumption

100 ... 240 V / 47 ... 63 Hz
 max. 3.6 VA

Batteries

4 x Mignon

Weight

complete with suitcase 7.9 kg

versatile

- online measurement
- automatic measurement
- graphic display
- displays results in a table or plot
- PC interface RS232
- convenient data processing with Windows Software "SITA Online"
- accessories for various measuring tasks

compact

- runs on batteries or mains
- space saving
- light
- no external air pump necessary