

SITA

Lab Solutions

NEW

SITA *FoamTester*

Analysing foam parameters
Controlling surfactant effects



- ✓ Innovative optical measuring methods
- ✓ Fully-automated foam analysis
- ✓ Precise reproducible foaming
- ✓ Measuring foam and liquid volume
- ✓ Analysing foam structure
- ✓ Recording drainage

The SITA FoamTester analyses the characteristics of surfactant-containing liquids easy, fast and precise with automated measuring sequences. The measuring device uses innovative optical measuring methods to determine foam characteristics such as foam volume, stability, drainage as well as foam structure.

- Fast contact-free and high-resolution optical scan of the foam surface with structured light
- Safe and continuous detection of the foam-liquid interface even with turbid and dark liquids
- Fast and high-resolution measurement of the foam structure for the entire foam level, analysis of the different bubble sizes and other characteristic values
- Fully-automated measuring process including sample conditioning and cleaning
- Individually programmable sequences for generating and analysing foam

Application examples

Cleaning agents / chemistry
Wetting agents / electroplating
Inks
Paints and coatings

Cooling lubricants
Cosmetics
Pharmacy
Plastics manufacturing

Paper manufacturing
Textile chemistry
Beverage production

Technical data

Foaming of the sample

Sample volume	200 ... 500 ml
Usable measuring vessel volume	1,500 ml (incl. foam)
Sample tempering with monitoring	0 ... 60°C optional thermostat
Capacity of storage vessel	2,000 ml
Stirring speed	0 ... 2,000 U/min (bidirectional)
Adjustable stirring programs	acceleration, duration, direction

Foam structure analysis

Evaluation area	height 130 mm (=1,300 ml) width 50 mm
Resolution	3,200 dpi
Results	bubble number and size distribution, other characteristic values
	in standard measuring vessel

Foam volume

0 ... 1,500 ml; resolution 1 ml

Liquid volume & drainage

0 ... 500 ml; resolution 1 ml

General data

Rinse connection	3/4"2 ... 6 bar
Power supply	100 ... 240 V / 50 ... 60 Hz, 300 W
Dimensions (HxWxD)	757 x 452 x 298 mm
Weight	36 kg

Windows-Software SITA-LabSolution

- Easy and clear device control and data evaluation
- Comfortable operating and report function
- User-defined sequences (templates for recurrent foam analyses)
- Controlling accessories for dosing and sample conditioning
- Intuitive operation



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