PRODUCT DATASHEET · TICONT SERIES

TICONT TI 125 Portable Contact Angle Analyser

Portable analyser · model TI 125



OVERVIEW

The TICONT TI 125 is the portable analyser of the Tech Inc. TICONT contact angle series. 0.5 kg, 80 × 44 × 140 mm, placed directly on the surface being measured, so platform size is unlimited: field checks on panels, pipes, coatings and installed parts. The software gives static, advancing and receding angles and surface free energy from two or more liquids, with single-shot, interval and continuous capture and video playback.

KEY ADVANTAGES

- Placed on the sample: unlimited sample size
- Platform tilting manual; dispensing by manual rotary knob; pipetting manual
- Drip accuracy 0.1 µl, micro sample injector 500 µl
- 80 frames/s camera, USB 2.0, 0.7× to 4.5× lens
- Standard 465 nm light source, service life more than 50,000 h
- 80 × 44 × 140 mm, 0.5 kg, 2 W from 220 V 50–60 Hz

APPLICATIONS

Membrane hydrophilicity and hydrophobicity (MF, UF, NF, RO, MD); coatings, surface treatments and plasma or corona modification; polymer films, glass, wafers and textiles; surface free energy of solids from two or more test liquids; quality control of membrane and coating batches; teaching and research laboratories.

TECHNICAL SPECIFICATION

Instrument dimensions	80 × 44 × 140 mm
Instrument weight	0.5 kg
Input power	220 V, 50–60 Hz
Power consumption	2 W
Platform size	Unlimited (sits on the sample)
Moving range	Unlimited
Moving mode	Manual
Platform tilting	Manual
Injection movement stroke	Y 2, Z 1 mm
Drip control movement	30 mm
Drip sampling method	Manual rotary knob
Pipetting method	Manual
Drip accuracy	0.1 µl

Liquid addition method	Manual
Micro sample injector	500 µl
Camera connection	USB 2.0
Lens	0.7× to 4.5×
Focal length	±2.5 mm adjustable
Image capture	Single shot, by interval, continuous
Shooting interval	500 ms to 3,600,000 ms
Video	Recording, playback and synthesis
Maximum shooting speed	80 frames/s
Light source service life	More than 50,000 h
Light source wavelength	465 nm
Light source type	Standard

THE TICONT SERIES

Nine models with the same optics and software: TI 165 · TI 205 · TI 205K · TI 405 · TI 405K · TI 605 · TI 605K · TI 1005K. Compare them at www.techincresearch.com/product/contact-angle.

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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