PRODUCT DATASHEET · TICONT SERIES

TICONT TI 605 Contact Angle Analyser

Large-platform analyser · model TI 605



OVERVIEW

The TICONT TI 605 is the large-platform analyser of the Tech Inc. TICONT contact angle series. 300 × 300 mm sliding-rail platform with X 130, Y 170, Z 50 mm travel, for large sheets, panels and coated parts; 400 frames/s camera, manual dispensing. 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

- Platform 300 × 300 mm, travel X 130, Y 170, Z 50 mm
- Platform tilting manual; dispensing by differential knob; pipetting manual
- Drip accuracy 0.1 µl, micro sample injector 1000 µl
- 400 frames/s camera, USB 3.0, 0.7× to 4.5× lens
- Collimated 465 nm light source, service life more than 50,000 h
- 950 × 380 × 550 mm, 30 kg, 5 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	950 × 380 × 550 mm
Instrument weight	30 kg
Input power	220 V, 50–60 Hz
Power consumption	5 W
Platform size	300 × 300 mm
Moving range	X 130, Y 170, Z 50 mm
Moving mode	Manual, sliding rail
Platform tilting	Manual
Injection movement stroke	Y 40, Z 35 mm
Drip control movement	30 mm
Drip sampling method	Differential knob
Pipetting method	Manual
Drip accuracy	0.1 µl

Liquid addition method	Manual
Micro sample injector	1000 µl
Camera connection	USB 3.0
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	400 frames/s
Light source service life	More than 50,000 h
Light source wavelength	465 nm
Light source type	Collimated

THE TICONT SERIES

Nine models with the same optics and software: TI 165 · TI 205 · TI 205K · TI 405 · TI 405K · TI 605K · TI 1005K · TI 125. 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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