

Contact Angle Meter - Summary Of Technical Specifications

Specifications	
Contact Angle Measuring Range	0 to 180 Degrees
Accuracy	+/- 0.1 Degrees
Calculation Method	Curve fitting based on Young-Laplace equation. Completely automatic baseline detection and calculation. Calculates separate contact angle for either side and then the mean value. For reduced calculation time, circular and polynomial fits are also available for contact angle calculations. Automatic Surface Free Energy (SFE) calculation software based on manual data entry.
Maximum Sample Size	Unlimited x 150 x 50 mm (LxWxH)
Frame Interval	0.1s, Unlimited Number of Images
Camera	FireWire Connectable CCD Camera With 50mm Optics
Lighting	LED Based Background Lighting
Dispenser	Manual Hamilton 1ml adjustable precision syringe with proprietary easy to use "one Touch Dispenser" mechanism
Computer Requirements	Desktop or laptop PC running Windows 98/NT/2000/XP

Advanced Features:

Full 180 Degree Measurement Of Droplet

Dispensed Droplet 'Volume Measurement' For Repeatability Of droplet Size And Accuracy When Measuring Receding Angles

Dispensed Droplet 'Size Measurement' For Accuracy When Used For Advancing Angle Measurements

Large Table Area

Molded Panels Or Products Up To 25mm In Thickness Can Be Measured Easily

Maximum Width Of Sample 100mm

Adjustable Table Height With Leveling Adjusters

Stores And Retains Data Within Its Own Database

Export Data To Excel Spreadsheets Easily

contact angle meter

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