

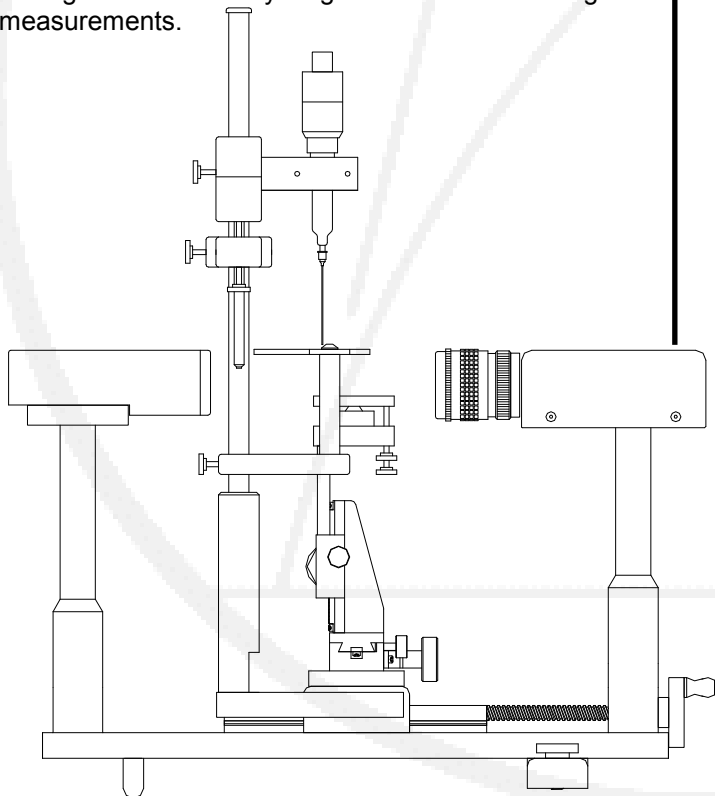
ramé-hart Model 250

**Standard Contact Angle Goniometer / Tensiometer
with DROPimage Advanced Software**

ramé-hart Model 250 (p/n 250-F4)

The Model 250 sports a wide range of methods-based interfacial analysis tools for working with pendant, inverted pendant, sessile, and captive bubble drops. Additionally, contact angle, surface energy, and calibration tools are included. Add the optional Automated Dispensing System to perform Advancing / Receding and other dynamic studies. Other options include the Automated or Manual Tilting Base, Environmental Fixture, 4" Wafer Support, and more.

What's in the box: Goniometer with F4 Series Camera, Microsyringe Fixture and Shade, Illuminator and Fiber Optic Bundle, (1) Microsyringe Assembly, (1) 22g Straight Needle, PC and LCD, DROPimage Advanced Software, User Manual, Calibration Tool, and Storage Cover — everything needed to start taking measurements.



Specifications

Stage Size	2 x 3 in (51 x 76mm)
Sample Size	3 in (76mm) deep x unlimited
Contact Angle Range	0 to 180°
Resolution	0.01°
Accuracy	+/- 0.10°
Camera	IEEE1394a FireWire, 1/3" CCD, 400Mbps, 70fps, Progressive Scan
Backlighting	Variable Fiber Optic Illuminator
Stage	Precision 3-Axis Locking Leveling
Dimensions	19 x 20 x 10 in (480x500x250mm)
Weight	14 lbs / 6.3 kg (excluding power)
Power Supply	110 or 220 VAC
DROPimage Features	Contact Angle Measurement (7) Surface Energy Tools Methods-based Surface Tension Pendant, Sessile, Captive Bubble Calibration Tool
Consumables	Fiber Optic Bulb 100-00-FOB Microsyringe Assy. 100-10-20 Needles 100-10-12-22
Options	Environmental Fixture 100-07-60 Wafer Support (4") 100-21-4 Software Upgrade 500-22 Automated Dispensing 100-22 Automated Tilting Base 100-25-A Manual Tilting Base 100-25-M Film Clamps 100-15

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$$\sigma = F(d_s/d_c) d_c^2 g (\rho_1 - \rho_2)$$

