

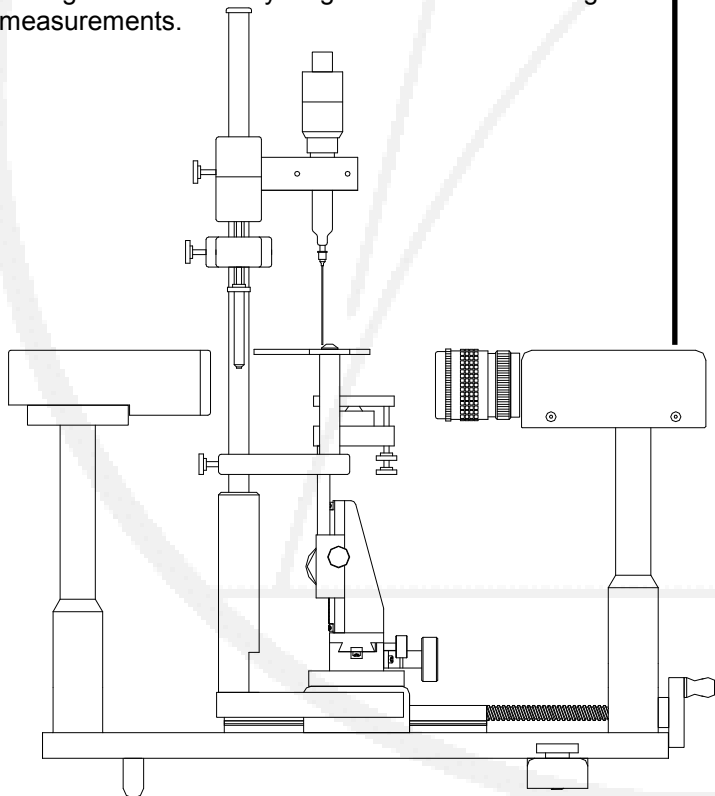
# ramé-hart Model 250

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

## ramé-hart Model 250 (p/n 250-F1)

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 F1 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

<b>Stage Size</b>	2 x 3 in (51 x 76mm)
<b>Sample Size</b>	3 in (76mm) deep x unlimited
<b>Contact Angle Range</b>	0 to 180°
<b>Resolution</b>	0.01°
<b>Accuracy</b>	+/- 0.10°
<b>Camera</b>	IEEE1394a FireWire, 1/2" CCD, 400Mbps, 60fps, Progressive Scan
<b>Backlighting</b>	Variable Fiber Optic Illuminator
<b>Stage</b>	Precision 3-Axis Locking Leveling
<b>Dimensions</b>	19 x 20 x 10 in (480x500x250mm)
<b>Weight</b>	14 lbs / 6.3 kg (excluding power)
<b>Power Supply</b>	110 or 220 VAC
<b>DROPimage Features</b>	Contact Angle Measurement (7) Surface Energy Tools Methods-based Surface Tension Pendant, Sessile, Captive Bubble Calibration Tool
<b>Consumables</b>	Fiber Optic Bulb 100-00-FOB Microsyringe Assy. 100-10-20 Needles 100-10-12-22
<b>Options</b>	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

ramé-hart instrument co • [www.ramehart.com](http://www.ramehart.com) • [carl@ramehart.com](mailto:carl@ramehart.com) • 973-448-0305 • fax 0315

PO Box 400 • Netcong • New Jersey • 07857 • USA



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

