

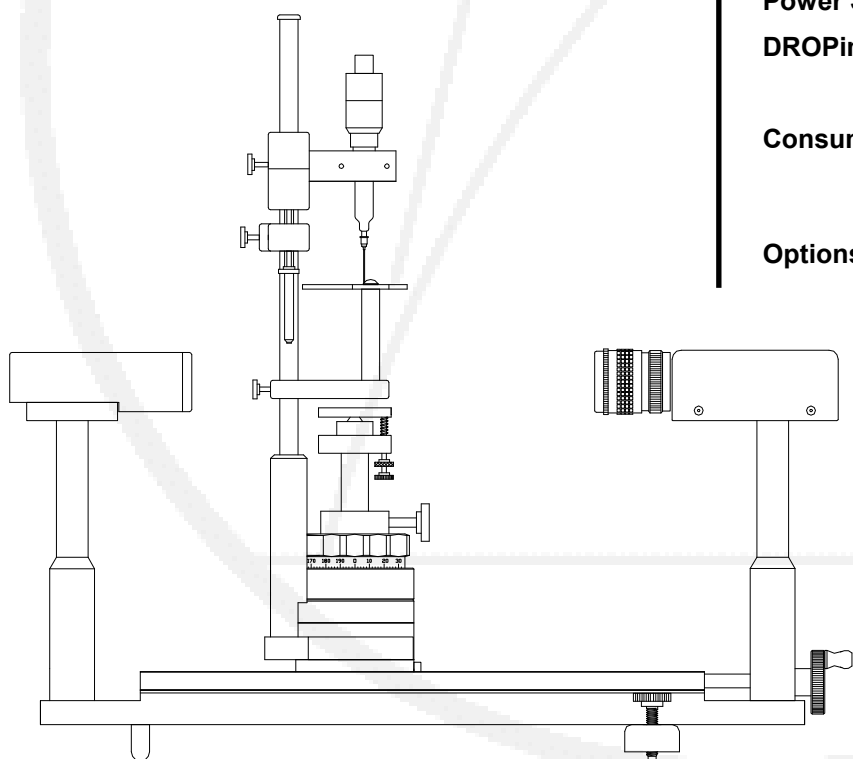
ramé-hart Model 300

Advanced Contact Angle Goniometer with DROPimage Standard Software

ramé-hart Model 300 (p/n 300-F1)

This versatile model accepts nearly every standard accessory and is ideal for both contact angle measurement and surface energy analysis. DROPimage Standard is included and can be upgraded to DROPimage Advanced if future needs warrant. Add the optional Automated Dispensing System to increase the accuracy and speed of dispensing. This system is a complete turn-key package.

What's in the box: Goniometer with 21" bench, F1 Series Camera, Microsyringe Fixture and Shade, Illuminator and Fiber Optic Bundle, (1) Microsyringe Assembly, (1) 22g Straight Needle, PC and LCD, DROPimage Standard Software, User Manual, Calibration Tool, and Storage Cover — everything needed to start taking contact angle and surface energy measurements.



Specifications

Stage Size	2 x 3 in (51 x 76mm)
Sample Size	up to 12 in (300mm) x unlimited*
Contact Angle Range	0 to 180°
Resolution	0.1°
Accuracy	+/- 0.10°
Camera	IEEE1394a FireWire, 1/2" CCD, 400Mbps, 60fps, Progressive Scan
Backlighting	Variable Fiber Optic Illuminator
Stage	Precision 3-Axis
Dimensions	19 x 20 x 10 in (480x500x250mm)
Weight	20 lbs / 9.1 kg (excluding power)
Power Supply	110 or 220 VAC
DROPimage Features	Contact Angle Measurement (7) Surface Energy Tools
Consumables	Fiber Optic Bulb 100-00-FOB Microsyringe Assembly 100-10-20 Needles 100-10-12-22
Options	Automated Dispensing 100-22 Environmental Chamber 100-07 Humidity Chamber 100-07-H Elevated Temp. Syringe 100-11 Wafer Support 100-21-x Vacuum Chuck 100-21-VCx Manual Tilting Base 100-25-M Lead Frame Support 100-23 Environmental Fixture 100-07-60 Film Clamps 100-15

Contact us for a complete options list.

Custom options available.

* requires custom optics and substrate support options for larger samples.

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

