

ramé-hart Model 590

ramé-hart Advanced Automated Goniometer / Tensiometer with Automated Tilt, Dispensing and DROPimage Advanced

ramé-hart Model 590 (p/n 590-F4)

Model 590 represents the most advanced and automated tool available for measuring static and dynamic contact angle, advancing and receding contact angle, surface energy, and surface and interfacial tension. Model 590 accepts every available modular accessory and includes our award-winning DROPimage Advanced software for complete methods-based interfacial analysis. The system ships complete with the fully software-controlled Automated Tilting Base Assembly (p/n 100-25-A) as well as the Automated Dispensing System (p/n 100-22).

What's in the box: Advanced Goniometer with highspeed F4 Series Camera, Automated Tilting Base, Automated Dispensing System, Microsyringe Fixture and Shade, Illuminator and Fiber Optic Bundle, (1) Microsyringe Assembly, (1) 22g Straight Needle, PC with FireWire Interface and LCD, DROPimage Advanced Software, User Manual, Calibration Tool, and Storage Cover — everything needed to get started on just

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° 0.01° Resolution **Accuracy** +/- 0.10°

Camera IEEE1394a FireWire, 1/3" CCD,

400Mbps, 70fps, Progressive Scan

Backlighting Variable Fiber Optic Illuminator

Stage Precision 3-Axis

Dimensions 19 x 20 x 10 in (480x500x250mm) Weight 55 lbs / 25 kg (less power and PC)

Power Supply 110 or 220 VAC

DROPimage Features Contact Angle Measurement

(7) Surface Energy Tools Methods-based, Surface and Interfacial Tension, Advancing and

Receding Contact Angles

Options Environmental Chamber 100-07 Advanced Chamber 100-26-TH Elevated Temp Syringe 100-11

Wafer 100-21-x

Vacuum Chuck 100-21-VCx

Environmental Fixture 100-07-60

Film Clamps 100-15

Contact us for a complete list of

available options.

Custom options available.

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

**Please refer to product literature for the Automated Tilting Base and Automated Dispensing System for additional product specifications.

www.ramehart.com

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