

ramé-hart Model 590

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

ramé-hart Model 590 (p/n 590-U1)

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 high-speed U1 Series SuperSpeed Camera, Automated Tilting Base, Automated Dispensing System, 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 get started taking measurements.

**Please refer to product literature for the Automated Tilting Base and Automated Dispensing System for product speci

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 0.01°
Accuracy +/- 0.10°

U1 Series Camera SuperSpeed USB 3.0, 1/3" CCD,

100fps, Progressive Scan, Sony

Sensor, 659 x 494 pixels

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 ToolsMethods-based, Surface andInterfacial Tension, Advancing and

Receding Contact Angles

Spares Kit 100-SPARES-F

Options

Environmental Chamber 100-07 Advanced Chamber 100-26-TH Oscillator 100-28 Overhead Imaging Kit 100-31 Elevated Temp Syringe 100-11 Wafer Support 100-21-x Peltier Chamber 100-30 **Environmental Fixture** 100-07-60 100-15 Film Clamps Contact us for a complete list of available options.

Custom options available.

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



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