



ramé-hart Model 790

ramé-hart High-Speed Automated Goniometer / Tensiometer with Automated Tilt, Dispensing, Environmental Control, Overhead Imaging, Oscillation, and DROPimage Advanced

ramé-hart Model 790 (p/n 790-G1)

Model 790 is the most powerful and feature-rich instrument which includes automated tilting, automated dispensing, oscillation, high-speed camera (210 fps), environmental control from -50°C to 300°C , and optical overhead imaging. Powered by DROPimage Advanced, Model 790 can measure static contact angle, dynamic contact angle, surface energy, work of adhesion, surface tension, interfacial tension, surface dilatational viscosity and elasticity. The system is a complete turn-key setup and ships ready to plug-and-play.

What's in the box: Advanced Goniometer / Tensiometer with high-speed G1 Series Camera, Automated Tilting Base, Automated Dispensing System, Oscillator, Environmental Chamber and Temperature Controller, Peltier Environmental Chamber with Controller, Optical Overhead Imaging Kit (for use on specimen stage only), Environmental Fixture, 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.

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	$\pm 0.10^{\circ}$
G1 Series Camera	GigE Interface, 210 fps
Backlighting	Variable Fiber Optic Illuminator
Stage	Advanced 3-Axis Stage
Dimensions	19 x 20 x 10 in (480x500x250mm)
Weight	55 lbs / 25 kg (less power and PC)
Power Supply	110 or 220 VAC
Included Components	Automated Dispensing System [^] Oscillator Automated Tilting Base Environmental Chamber/Controller Peltier Environmental Chamber Optical Overhead Imaging Kit Environmental Fixture

Upgrade Options

Model 790 supports every option available from ramé-hart.

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

[^]see component brochures for detailed component specifications



ramé-hart instrument co • www.ramehart.com • 973-448-0305 • fax 973-448-0315

19 Route 10 East • Suite 11 • Succasunna • New Jersey • 07876 • USA

