



ramé-hart Model 190

Contact Angle (CA) Goniometer with DROPimage CA Software

ramé-hart Model 190 (p/n 190-F2)

Model 190 is an affordable and easy-to-use contact angle tool designed to offer the highest level of precision computer-aided contact angle analysis at the lowest possible acquisition cost. Model 190 accepts the Manual Tilting Base, Environmental Fixture, Wafer Support up to 4" in diameter, and other options. This turn-key system includes DROPimage CA software.

What's in the box: Goniometer with F2 Series Camera, Microsyringe Fixture and Shade, LED Backlight Illuminator, power supply, (1) Microsyringe Assembly and (1) 22g Straight Needle for manual dispensing, PC with FireWire Interface and LCD, DROPimage CA Software, User Manual, Calibration Tool, and Storage Cover — everything needed to start taking contact angle measurements right out of the box.



Specifications

| | | |
|----------------------------|---|--------------|
| Stage Size | 2 x 3 in (51 x 76mm) | |
| Sample Size | 3 in (76mm) deep x unlimited | |
| Contact Angle Range | 0 to 180° | |
| Resolution | 0.1° | |
| Accuracy | +/- 0.10° | |
| Camera | IEEE1394a FireWire, 60 fps | |
| Backlighting | LED Illuminator | |
| Stage | Precision 3-Axis Locking with Leveling Specimen Stage | |
| Dimensions | 19 x 20 x 10 in (480x500x250mm) | |
| Weight | 14 lbs / 6.3 kg (excludes PC) | |
| Power Supply | 110 or 220 VAC | |
| DROPimage Features | Contact Angle Measurement Calibration Tool | |
| Spares | Microsyringe Assy. | 100-10-20 |
| | Needle | 100-10-12-22 |
| Options | Environmental Fixture | 100-07-60 |
| | Wafer Support (4") | 100-21-4 |
| | Software Upgrade | 400-22-30 |
| | Manual Tilting Base | 100-25-M |
| | Film Clamps | 100-15 |

Note: The Automated Dispensing System (100-22) can be added to Model 190 but requires the DROPimage Standard or Advanced Software Upgrade.

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

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

