

ramé-hart Model 190

Contact Angle (CA) Goniometer with DROPimage CA Software

ramé-hart Model 190 (p/n 190-U1)

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 U1 Series Camera (100 fps), Microsyringe Fixture and Shade, Halogen Fiber Optic Illuminator, (1) Microsyringe Assembly and (1) 22g Straight Needle for manual dispensing, PC with SuperSpeed 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°

0.1° Resolution

Accuracy +/- 0.10°

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

100fps, Sony Sensor, 659 x 494

Backlighting Variable Fiber Optic Illuminator

Stage Precision 3-Axis Locking Leveling

Dimensions 19 x 20 x 10 in (480x500x250mm)

Weight 14 lbs / 6.3 kg (excludes PC)

Power Supply 110 or 220 VAC

DROPimage CA Tools Contact Angle Measurement

Calibration Tool

Microsyringe Assy. 100-10-20 **Spares**

> Needle 100-10-12-22

100-SPARES-F Set of Spares

Fiber Optic Bulb 100-00-FOB

Options Automated Dispensing 100-22

> **Environmental Fixture** 100-07-60

> Software Upgrade 400-22-30

100-25-M Manual Tilting Base

Heated Enviro Cell 100-33

Hot Plate 100-33-HP 100-15 Film Clamps

NIST Calibration Device 100-27-31-UPG

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