

PRECISION SURFACE SCIENCE

ramé-hart Model 90

Contact Angle Goniometer



Measure

Contact angle

The Model 90 CA is the most cost-effective product we offer for measuring static contact angle. With lightweight construction and a small footprint, the Model 90 CA is easy to set up and transport. The user-friendly DROPimage CA software makes contact angle measurements fast and simple.

DROPimage CA

Easy Contact Angle Measurement

U3-Series Camera

High-Resolution Camera

Modular Design

Flexible configuration options

Instrument Specifications

Specification	Details
Model Number	90-U3-CA
Surface Characteristics	Static contact angle
U3 Camera Speed	25 frames/sec (full window)
U3 Camera Resolution	720 x 540 pixels (full window)
Stage	Leveling specimen stage with z-axis adjustment
Stage Size	51 x 76 mm (2.01 x 2.99 in)
Backlight Illumination	Adjustable LED backlight
Pre-Installed Software	DROPimage CA (upgradeable to DROPimage Pro for expanded measurement capabilities)
Power Supply	110-240 VAC, 50-60 Hz
Instrument Dimensions	40 x 20 x 40 cm (16 x 8 x 16 in)
Instrument Weight	2.61 kg (5 lb 12 oz)
Warranty	One-year warranty included with every instrument. Extended warranties can be purchased upon request



A complete turn-key system

Supplied with a PC, pre-installed and configured software, and the components and tools needed to set up and operate the instrument.

Software Capabilities

Capability	Details
Software Included	DROPimage CA, easy to measure contact angle
Supported Operating Systems	Windows 11
Software Licensing	Pre-installed software comes perpetually licensed to your organization and includes one year of upgrades and priority support
Static Contact Angle Range	0-180°
Contact Angle Accuracy	+/-0.1°
Contact Angle Resolution	+/-0.1°
Continuous Reporting	Supported for contact angle measurements
Upgrade Path	Upgradeable to DROPimage Pro without additional hardware

Requires installation of camera driver, which is included with software.

Accessory Compatibility

Choose compatible accessories to suit your application.

Accessory	Part Number	Compatibility	Description
Automated Dispensing System	100-22	Yes	Dispensing control supported by separate program
Environmental Fixture	100-14	*	Surface/interfacial tension measurements require Fiber Optic Illuminator upgrade. Inverted bubble measurements require upgrade to DROPimage Pro.
Film Clamps	100-15	Yes	For securing samples to stage
Fiber Optic Illuminator	90-FOI	Yes	Optional upgrade for the Model 90 system to enable surface/interfacial tension measurements

Accessories are optional unless specifically identified as included. Software upgrades or additional hardware may be required as noted.

What's Included

Every system is supplied ready for installation and first-time setup.

• 16-inch Optical Bench	• U3-Series Camera
• Adjustable stage support for z-axis positioning	• Leveling Specimen Stage
• LED Backlight	• Stage Shade
• Manual Syringe Assembly	• PC with Pre-installed Software
• DROPimage CA	• User Manual
• Calibration Tool	• Storage Cover
• All Necessary Cables and Setup Tools	

Configuration, compatible accessories, and software upgrades can be discussed with our sales team.

Contact **ramé-hart instrument co.**

SALES

sales@ramehart.com
Phone: [+1-973-448-0305](tel:+1-973-448-0305)
Fax: [+1-973-448-0315](tel:+1-973-448-0315)

BUSINESS HOURS

Monday-Friday
8 am to 4 pm Mountain Time

ADDRESS

582 W 8360 S
Sandy, UT 84070 USA

LEARN MORE

[Product page](#)
[Request a quote](#)