

CONTACT ANGLE MEASUREMENT SYSTEM

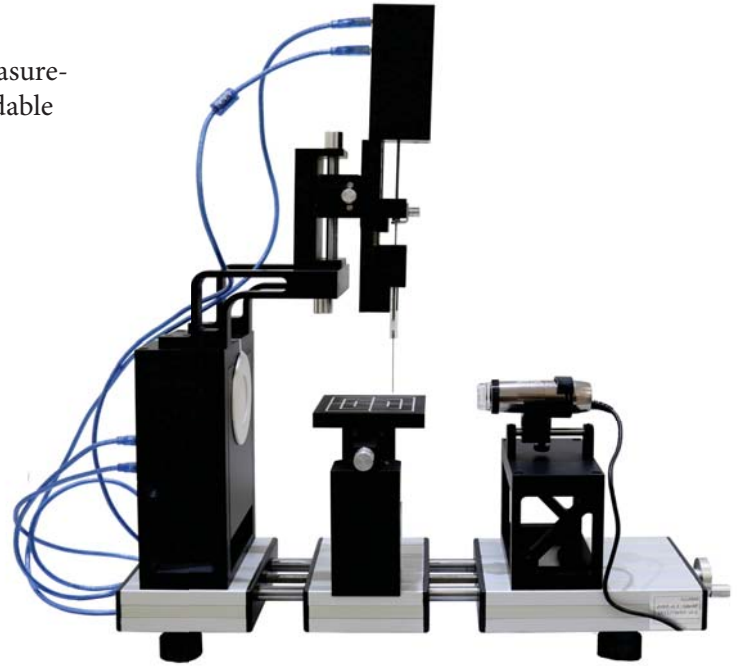
Semi-automatic contact angle measurement

OVERVIEW

CA-500A is an economic semi-automatic contact angle measurement system, based on a static Sessile drop method (upgradable to dynamic).

FEATURES

- Static sessile drop contact angle measurement
- Software control of dispenser
- 1.3 Mega pixel camera
- Manual fitting and measurement of droplet contact angle
- Accurate and easy to use



SPECIFICATIONS

CA Technical Specifications	
Model	CA-500A
Measurement method	Static Sessile drop
Analysis method	Manual curve fit analysis
Measurement range	0-180 degrees
Resolution	0.01 degree
Accuracy	0.1 degree
Camera	High performance CMOS Sensor, 1.3 Megapixel & 140x magnification, Video 30 frame per second
Lighting	LED Based diffused lighting mechanism; Light intensity can be varied using software
Dispenser	Automated dispenser with precision of 0.5 microliter; a 50 microliter syringe is provided with the system
Dispenser movement (z)	5.6 cm
Sample stage movement (x, y, z)	10 cm x 2.6 cm x 5.6 cm
Inlet Power	100-240 VAC, 50-60 Hz
Dimensions (l x w x h)	51 cm x 16 cm x 65 cm
Weight	10 Kg