

High-resolution microscope for enhanced accuracy

The M6500 microscope magnifies up to 25x and enables a numerical display resolution of 0.0001 mm, giving the researcher the greatest measurement accuracy of any comparable device.

Light-weight and easy to handle

The M6500 weighs only 24 lbs. and includes a level-adjustment control as well as handles on two sides so that the unit can be picked up and manipulated to reposition the test droplet.

The M6500 Spinning Drop Tensiometer was developed for measuring interfacial tension, surface tension, and absorption rate between two different fluids. Engineered with the researcher in mind, the M6500 is built to be dependable, accurate, and easy to operate. Responsive temperature controls and optimum synchronization of the instrument allow the sample to be observed over a long period of time under constant conditions.



- RTD temperature transducer - accurate temperature reading
- PID temperature controller - stable at target temperature
- Accurate speed controller ensures high image synchronization
- High accuracy of reading with stroboscope illumination
- Optional chilling sleeve for low-temperature applications

Measurement Range:

Temperature Range:	Ambient (45 °F w/chiller) to 212 °F
Speed Range:	0 to 11,000 rpm continuous
Surface Tension Measurement Range:	10 ⁻⁶ to 10 ² mN/m
Capillary Diameter:	2.0mm
Microscope Magnification:	25x
LCD Display Resolution:	0.0001mm

Digital Camera Option:

Live Resolution:	2.0 MP
Optical Format:	1/3"
Focusable Lens:	16mm (adds approx. 3" to unit height)

Mechanical

Specifications:

Dimensions/Footprint:	19.5" wide x 11.5" deep x 19" tall
Weight:	24 lbs.
Voltage:	120V or 240V with transformer



LCD numerical display



Optional Chilling Sleeve



Optional digital camera with image processing software

