

The **Grace Instrument 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.

Features:

- 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
- Microscope-enhanced digital read-out
- Side handles for portability
- Quick and easy leveling adjustment
- Optional chilling sleeve for low temperature applications



The **M6500** is designed around the needs of the modern laboratory:

- high resolution
- microscope-enhanced LCD readout
- easy to operate
- responsive speed-strobe synchronization
- light weight
- repeatable results
- low maintenance
- fast test cycle: setup-load-test-clean

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 2 mN/m

Capillary Diameter: 2.0 mm

LCD Resolution: 0.0001 mm

Microscope Magnification: 25x

Voltage: 120 VAC or 240 VAC (with transformer)

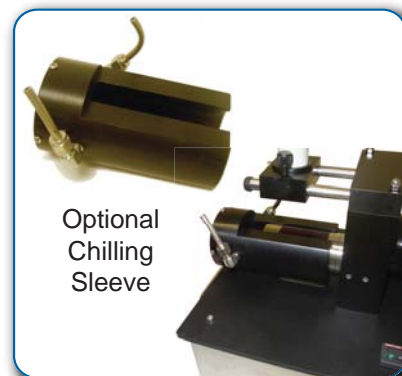
Utility Requirements:

Electrical Supply Voltage: 120 VAC to 240 VAC

Line Frequency: 50 to 60 Hz

Power Consumption: 500 VA

Pressure Supply: Nitrogen: Atm - 1,000 psi



Mechanical Specifications:

Dimensions / Footprint: 19" tall x 19.5" wide x 11.5" deep

Weight: 24 lbs