

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.

When measuring low interfacial tension, the **M6500** features enhanced accuracy compared to automatic, software-controlled units thanks to an advanced much-higher-resolution microscope than on competing models.

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
- 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:

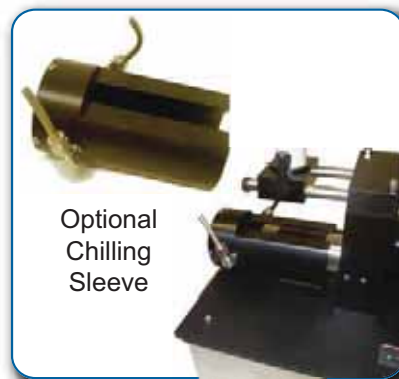
Temperature Range: Ambient (45 °F w/chiller) to 212 °F
Speed Range: 0 to 11,000 rpm continuous
Surface Tension Measurement Range: 10^{-6} to 2 mN/m
Capillary Diameter: 2.0 mm
LCD Resolution: 0.0001 mm
Microscope Magnification: 25x
Voltage: 120 VAC or 240 VAC (with transformer)

Utility Requirements:

Electrical Supply Voltage: 120 VAC to 240 VAC
Line Frequency: 50 to 60 Hz
Power Consumption: 500 VA

Mechanical Specifications:

Dimensions / Footprint: 19" tall x 19.5" wide x 11.5" deep
Weight: 24 lbs



Optional Chilling Sleeve