

RSX Rheometer

Touch Screen Rheometers for Controlled Rate/Stress Measurement



Specifications

- 7 in touch screen
- 200 mNm motor
- Standalone simplicity for QC users
- Automatic Gap Setting and auto immersion for quick and easy use
- Available in cone plate (CPS, Peltier and Fluid Heated), coaxial cylinder (CC), and soft solids tester (SST) configuration

RSX Specifications (all models)

Torque	- 0.1-200 mNm/0.01-1,000 rpm (Opt 0.1-100 mNm/0.01-1,300 rpm)*
Torque Resolution	- 1.2 μ Nm
Display	- 7 in.
Versions available	- CPS, SST, CC
Display Units	- cP, Pa*s, dynes/cm ² , Pa, °C, °F

* Coming soon

Advanced Rheometer

Touch Screen Rheometers for Controlled Rate/Stress Measurement

The RSX series of touch screen rheometers represent the best that AMETEK Brookfield has to offer – instruments that operate both in controlled shear rate (rpm) and controlled shear stress (torque) modes – for sophisticated rheological analysis. With automatic data collection and analysis using the optional Rheo3000 software, RSX Rheometers offer greater flexibility and more features than other high-end rheometers in their class – at a fraction of the cost.

Features



Controlled shear stress/shear rate operation makes it easy to study material behavior from initial yield to flow curve response.



Rapid Temperature Control of plate with Peltier or fluid heated options for quick profiling of viscosity vs. temperature.



Large User-friendly touch screen and graphical display for stand-alone operation.



Rugged design permits use on production floor.



Quick Connect Coupling System for easy spindle attachment.



Vane Spindle Geometry (for SST applications)

- Quick-Connect coupling
- Rapid spindle insertion without compromising sample structure
- Quick and easy test method
- Auto immersion automatically inserts the vane spindle into the sample at the correct height



Very small sample size permits rapid test set up and clean up.



Spindle Barcode for auto spindle recognition.



Motorized stand for CC and SST versions.



Quantifies meaningful properties like stiffness, wobbliness, sloppiness, consistency, and texture.

Optional Accessories

- Viscosity Standards
- Water Baths
- FTKY3 Water Jacket for Temperature Control
- Bob (spindle) and Chamber
- Vane (spindle)
- Theromsel System

Popular Applications Include

- Adhesives
- Biomass
- Food and Beverage
- Gypsum
- Pharmaceutical
- Chemical Production
- Paints and Coatings
- Petroleum

Rheo3000

Optional Rheo3000 Software allows for PC control and data acquisition/analysis of multiple test files

