

# RSX Cone Plate Rheometer

## Touchscreen Rheometer for Controlled Rate/Stress Measurement

- 7-inch touchscreen for seamless interaction
- Small sample size permits rapid setup and easy clean up.
- Standalone simplicity for QC users
- Rugged design for industrial applications
- Peltier and Fluid Heat (external bath) options available



### What's Included?

- Instrument
- Power Cord
- Accessory Kit
  - USB cord
  - Screen Protector
  - Bubble Level
- Hose Quick Connects (Fluid Heat only)

### Cone

Spindle	Viscosity range (Pa•s)	Shear rate sec-1	Max. Shear stress Pa	Sample volume mL
RCTO-25-1	0.1019 - 815 K	0.06-6000	48892	0.1
RCTO-25-2	0.2037 - 1630 k	0.03-3000	48892	0.2
RCTO-50-1	0.0127 - 102 k	0.06-6000	6112	1.0
RCTO-50-2	0.0255 - 204 k	0.03-3000	6112	2.0
RCTO-75-1*	0.0038 - 30 k	0.06-6000	1811	2.5
RCTO-75-2*	0.0075 - 60 k	0.03-3000	1811	5.0

### Plate

RPTO-25	0.623 - 4.98 mil	0.013-1309	65190	0.5
RPTO-50	0.039 - 311 k	0.026-2618	8149	2.0
RPTO-75*	0.0077 - 61 k	0.039-3927	2414	4.5

\* Fluid Heat Only

# RSX CPS Rheometer

RSX CPS Rheometer is used to test wide viscosity ranges with very high shear rates and/or very small sample sizes

## Features

Controlled shear stress/shear rate operation

Large, user-friendly touchscreen and graphical display for standalone operation

Quick Connect Coupling System for easy spindle attachment

Automatically detects and sets the correct spindle gap with standard one-piece spindles

Very small sample size permits rapid test setup and cleanup

Spindle barcode for auto spindle recognition

Rugged design permits use on the production floor

Rapid Temperature Control of the plate with Peltier or fluid-heated options

Increased 200 mNm torque motor for testing tough samples

## Optional Accessories

- Cone/Plate Spindles
- Plate/Plate Spindles
- Thermal barrier
- Circulating temperature bath

## Rheo3000 Software

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



## Applications:

- Adhesives
- Biomass
- Food and Beverages
- Gypsum
- Pharmaceuticals
- Chemical Production
- Paints and Coatings
- Petroleum

