RST-CPS Touch™ Rheometer

Cone/Plate & Plate/Plate Systems for small samples and wide shear rate ranges

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

User-friendly Touch Screen and graphical display for stand-alone operation

Quick Connect Coupling System for easy spindle attachment

Very Small Sample Size permits rapid test set up and clean up

Spindle Barcode for auto spindle recognition

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

Automatic or Manual Gap Setting for quick and easy gap setting

Rapid Temperature Control of plate with Peltier option for quick profiling of viscosity vs. temperature

	VISCOSITY RANGE (Pa•s)		SPEEDS
MODEL	Min.	Max.	RPM
RST-CPS Cone/Plate	0.0006	814K	0.01-1.3K
RST-CPS Plate/Plate	0.002	2.49M	0.01-1.3K

See page 47 for individual spindle (bob) ranges K = 1 thousand M = 1 million 1 Pa•s = 1000 cP (centipoise)

Temperature Control Options†		
MODEL	**Description**	**Temperature**
RST-CPS-FH	Bath	-20° to 200°C
RST-CPS-PA	Peltier Air	20° to 180°C*
RST-CPS-PO	Peltier Oil	0° to 180°C*
RST-CPS-EH	Electric	40° to 250°C

† Higher temperatures available on request. * 75mm plates cannot be used with Peltier systems.
See page 47 for spindle ranges and sample volumes.

What's Included?

Instrument (with choice of water bath, Peltier or electric temperature control for sample plate)

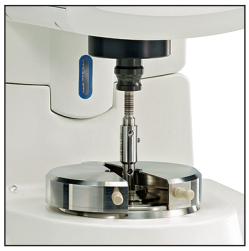
Convenience Package (USB Flash Drive, Stylus, Cleaning Cloth, Screen Protector)

Optional Accessories

Choice of cone or plate spindle geometries
at least one is required (p47)
Rheo3000 Software
Viscosity Standards (p53)
Water Baths (p33-35)
Solvent Trap
Choice of Thermal Barrier
- Teflon (0° - 200°C)
- Stainless Steel (7200°C)

KE Cooling Device

Choice of cone spindles and plate spindles accommodates all sample types. Plate spindles are used for highly-filled or very viscous samples.



Thermal Barrier reduces the effects of heat transfer to the environment. Two part chamber provides thermal isolation of the measurement zone.

The optional KE cooling device is required to cool viscometer bearings when testing with temperatures above 70°C.