



TORONTECH

CONE-PLATE VISCOMETER - TORONVISC™ CAP3



High-Performance Cone-and-Plate Viscometer for Precision Rheological Analysis

ToronVisc™ CAP3 Cone-Plate Viscometer by Torontech is an advanced, visual touch-screen rheometer engineered for high-precision rheological testing of materials across low to high viscosity ranges. Utilizing a cone-and-plate configuration, it is ideal for evaluating the flow behavior, shear rate, and stress response of complex fluids, polymers, adhesives, and emulsions under controlled conditions.

With a wide measurement range, from 20 mPa·s to over 1.5 million mPa·s depending on spindle configuration, the CAP3 is especially suited for laboratories and R&D facilities that require accurate viscosity profiling at high shear rates. This system features an intuitive 7-inch touchscreen interface, automatic spindle lift, and USB/Ethernet connectivity for efficient operation and data management.

APPLICATIONS

Applications

- Rheological testing at high shear rate
- Paints, coatings, polymers, emulsions, cosmetics
- Lubricants, food pastes, gels, inks, high-performance adhesives
- Quality control in industrial and research environments

Optional Accessories

- CAP standard oils

- Full CAP spindle sets
- DV Rheology Analysis Software

If you're looking for a robust, precise, and fully featured rheometer, the ToronVisc™ CAP3 Cone-Plate Viscometer is a top-tier solution for your laboratory or production environment.

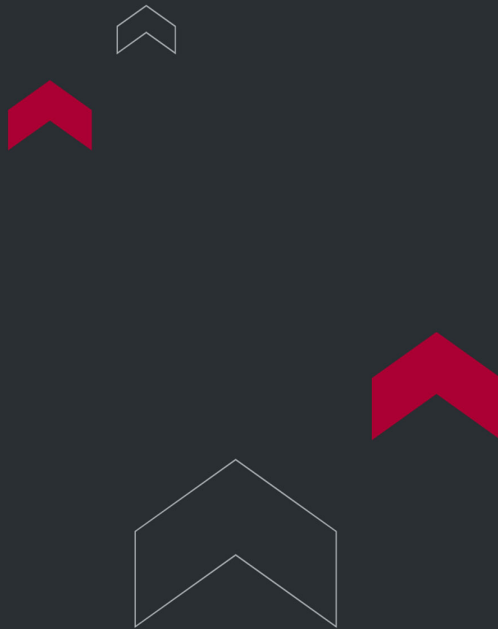
FEATURES

- Large 7-inch touch display with real-time viscosity graphs
- Supports shear rate and stress display for full rheological behavior analysis
- Cone-plate measuring system for high-shear-rate performance
- Automatic lifting and spindle positioning
- Built-in temperature probe for consistent readings
- Gigabit Ethernet and USB connectivity for rapid data transfer
- Compatible with DV software (optional) for advanced rheology curve plotting
- Continuous and timed viscosity value saving
- Password-protected calibration for viscosity and temperature
- Wide-range power supply (100V–240V), with strong anti-interference protection

TECHNICAL SPECIFICATIONS

Model	ToronVisc™ -CAP3 (400rpm)	ToronVisc™ -CAP3 (750rpm)	ToronVisc™ -CAP3 (900rpm)	ToronVisc™ -CAP3 (1000rpm)
Spindle	CAP-01 to CAP-05	CAP-01 to CAP-05	CAP-01 to CAP-05	CAP-01 to CAP-05
Viscosity Range (mPa·s)	20–375,000	37–750,000	75–1,500,000	150–3,000,000
Sample Volume	24 µL – 134 µL	24 µL – 134 µL	24 µL – 134 µL	24 µL – 134 µL

Model	ToronVisc™ -CAP3 (400rpm)	ToronVisc™ -CAP3 (750rpm)	ToronVisc™ -CAP3 (900rpm)	ToronVisc™ -CAP3 (1000rpm)
Temp Range	-5°C to 250°C (±0.1°C)	-5°C to 250°C (±0.1°C)	-5°C to 250°C (±0.1°C)	-5°C to 250°C (±0.1°C)
Accuracy	±2% of full scale	±2% of full scale	±2% of full scale	±2% of full scale
<i>Note: Spindle options CAP-06 to CAP-10 allow extended sample volume and range. Rotational speed variations also available.</i>				



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