



TORONTECH

ADVANCED CONE- PLATE VISCOMETER - TORONVISC™ CAP2



High-Performance Viscosity Testing at High Shear Rates

ToronVisc™ CAP2 Cone-Plate Viscometer is designed for precise measurement of low, medium, and high viscosity samples under controlled shear conditions. Engineered with a robust cone-and-plate geometry, this viscometer is ideal for analyzing rheological behavior of small-volume materials, especially at high shear rates, making it the perfect solution for cosmetics, inks, coatings, adhesives, and food formulations.

Built with a 7-inch touchscreen interface, auto-lifting mechanism, and advanced temperature control (up to 250°C), the CAP2 model ensures maximum accuracy and usability in both quality control labs and R&D environments.

APPLICATIONS

Applications

- Rheological evaluation under high shear
- Viscosity testing of small-volume samples
- Ideal for:
 - Inks and Coatings
 - Gels, Lotions, Creams
 - Resins and Adhesives
 - Food products and emulsions
 - Petrochemicals and lubricants

Optional Accessories

- SNB viscosity analysis software
- CAP Spindles (additional)
- Standard Viscosity Oils for calibration

With its cone-plate precision, automated lifting, and broad viscosity range, the ToronVisc™ CAP2 competes with Brookfield®-style models and offers unmatched value for applications requiring high shear sensitivity and low-volume testing.

Footnote/Disclaimer:

Brookfield® is a registered trademark of AMETEK, Inc. Use of the term “Brookfield-style” refers to general compatibility with rotational viscometer formats and does not imply any affiliation with or endorsement by AMETEK.

FEATURES

- Cone-Plate System ideal for small-volume and high-shear applications
- 7” Smart Touchscreen Display with intuitive navigation
- Auto Lifting and Positioning for user convenience and test repeatability
- Built-in Temperature Probe with ±0.1°C precision
- Real-Time Display of Shear Rate and Stress
- Gigabit Ethernet & USB Connectivity
- External Data Storage (single-point, continuous, timed modes)
- Secure Calibration for Viscosity & Temperature (password-protected)
- Continuous Viscosity Readout with visual tracking
- Reliable Universal Power Input: 100–240V AC

TECHNICAL SPECIFICATIONS

Temperature Range	-5°C to 250°C (+0.1°C)
-------------------	------------------------

Viscosity Accuracy		±2% Full Scale	
Sample Volume		24-1700 µL (depending on spindle)	
Rotational Speeds		400 / 750 / 900 RPM (model-dependent)	
Spindles		CAP01 – CAP10 (with shear rates 2.0-13.3N)	
Example Viscosity Values (mPa·s)			
Spindle/Speed	400 RPM	750 RPM	900 RPM
CAP-01 (13.3N)	47-469	25-250	20-208
CAP-03 (13.3N)	180-1875	100-1000	80-833
CAP-05 (3.3N)	60-7500	400-4000	300-3333
CAP-07 (2.0N)	78-787	—	—
CAP-09 (2.0N)	1250-12500	—	—
Note: Viscosity range and resolution depend on spindle and RPM combinations. Full spindle compatibility chart available on request.			



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

