

Rotational Viscometers

ViscoQC Series



Simple Perfection

A new era of rotational viscometers. Packed with unique features for supreme accuracy and full traceability. Designed for unprecedented ease of use. Geared to eliminate operator errors. A premium product yet highly affordable. Anton Paar's ViscoQC series.



Unpack

- Use straight out of the box:
Fast start up in less than two minutes
- Ensure correct alignment:
Built-in digital leveling guarantees the highest measurement repeatability

Measure

- Spindles with magnetic coupling for easy and fast one-handed spindle exchange
- Automatic spindle and guard detection:
Toolmaster™ prevents spindle selection errors and ensures fully traceable results | TruGuard™ documents whether a guard is attached or not
- Search for speed automatically:
TruMode™ finds the best spindle/speed combination to measure new formulations
- Get the best Peltier temperature control:
Temperature stability of ± 0.1 °C from -45 °C to +175 °C | T-Ready™ tells you when your sample has reached the required temperature

Upgrade

- V-Curve software (on ViscoQC 300):
For programmability, graph, analysis, and additional methods (yield, low temperature)
- V-Comply software (on ViscoQC 300):
Full compliance to 21 CFR Part 11 (audit trail, electronic signature, etc.)

Maintain

- The highest quality is our promise:
With a three-year warranty on the instrument and accessories
- Lowest downtime:
Optional on-site service | Automatic bearing check by TruSine™ avoids sudden downtime, minimizing the mass balance error

FIND OUT MORE



[www.anton-paar.com/
apb-viscoqc](http://www.anton-paar.com/apb-viscoqc)

Accessories – for Outstanding Results

Expand the testing capabilities of your ViscoQC according to your needs with a wide range of accessories. All accessories are automatically detected for full traceability. The ViscoQC interface gives you total control for ultimate ease of use.

All temperature devices feature the unique T-Ready function. It signals when the sample has truly reached the set temperature, securing supreme repeatability.



1 ETD 300 - Electrical temperature device

- Suitable for measurements of bitumen, hot melts, and polymers at elevated temperatures
- Temperature control from 25 °C to 300 °C
- Complies to ASTM D4402, D3236, AASHTO T316, EN 13302, and many more
- For ViscoQC 100 & 300

2 PTD 175 - Peltier temperature device

- Suitable for ASTM D2983/ D8210, D5133/D7110, DIN 51398
- High performance temperature control from -45 °C to +175 °C
- Temperature-ramp programming
- Air counter cooled: no circulator bath required
- For measuring systems CC, DG, SSA, UL, L1D22, 4B2
- For ViscoQC 300

3 PTD 80 - Peltier temperature device

- Temperature control from 15 °C to 80 °C
- Highly accurate and faster than any circulatory bath
- Air counter cooled: no circulator bath required
- For measuring systems CC, DG, SSA
- For ViscoQC 100 & 300

4 PTD 100 Cone-Plate

- Cone-Plate measuring system with integrated Peltier temperature control
- Temperature control from 0 °C to 100 °C
- For small sample volumes (0.5 mL to 2 mL)
- Air counter cooled: no circulator bath required
- With automated gap setting process and monitoring
- For ViscoQC 100 & 300

5 Heli-Plus

- Suitable for non-flowing paste-like materials like gels or creams
- Motorized stand enables an up- and downward movement of the ViscoQC head
- Designed for T-bar spindles
- Usable as comfort stand replacing the typical handwheel
- For ViscoQC 100 & 300

6 Spindles and accessories

- Whether your sample flows easily or is sticky, we have the solution for you:
- 500 mL sample: L/RH spindles (ISO 2555), gel time kit, vane spindles, T-bar
 - <20 mL sample: Concentric cylinders (CC, ISO 3219), double-gap (DG, DIN 54453), ultra-low viscosity adapter (UL), small sample adapter (SC4), disposable cups D18/ D22
 - Additionally, you can equip your ViscoQC with: spindle guard (L/R), spindle rack or flexible cup holder

Solutions That Empower

Full pharma compliance

V-Comply software upgrade for full compliance to 21 CFR Part 11, GAMP 5, and GMP

- Audit trail
- Electronic signature
- Increased security functions (e.g., date and time stamp, password access)
- Compliance modes (e.g., non-storage, ADI, VNC)

Delivery includes a comprehensive pharma qualification document. Be audit ready within one day!



Advanced analysis upgrade

V-Curve software upgrade unleashes the full potential of ViscoQC 300:

- Math modeling (statistics, shear thinning index, yield stress, and more)
- Graph and flow curve analysis in stand alone
- Step programming
- Temperature ramping (requires PTD 175)
- Automated methods for ASTM D2983/D8210, D5133/D7110, D4402, DIN 51398

Gel timer package

Analyze the gel time and equivalent viscosity of resins, potting compounds, and gel coats.

- Automatic gel time reporting
- Optional Pt100 sensor for peak exothermic temperature reading

Temperature control upgrade

- For gel time testing at temperature ranges from -45 °C to +300 °C
- Small sample volumes
- Disposable cups and glass rods



ViscoQC 100				ViscoQC 300		
↓				↓		
	L	R	H	L	R	H
Viscosity test type	Single-point			Multi-point		
Viscosity range [mPa·s] (depends on the measuring system)	0.2* to 6 M	1.6** to 40 M	13.2*** to 320 M	0.1* to 6 M	1.3** to 40 M	10.6*** to 320 M
Speed [rpm]	0.1 to 200 740 increments			0.01 to 250 Freely selectable speeds within the speed range		
Max. spring torque [mNm]	0.0673	0.7187	5.7496	0.0673	0.7187	5.7496
Accuracy	±1.0 % full scale range					
Repeatability	±0.2 %					
Display	3.5" color LCD			7" color touchscreen		
Data storage	Non-storage Direct print/export			Data memory for up to 999 measurements Print/export from data memory		

Trademarks

**Toolmaster (003623873), TruGuard (017904903), Trumode (017904895),
T-Ready (009176983), TruSine (017904915)**

* With optional PTD 100 Cone-Plate, with L1 spindle 15 mPa·s

** With optional PTD 100 Cone-Plate, with RH1 spindle 100 mPa·s

*** With optional PTD 100 Cone-Plate, with RH1 spindle 800 mPa·s

M = 1 million

Reliable. Compliant. Qualified.

FIND OUT MORE



[www.anton-paar.com/
service](http://www.anton-paar.com/service)

Our well-trained and certified technicians are ready to keep your instrument running smoothly.



Maximum uptime



Warranty program



Short response times



A global service network

