

# Rotational Viscometers

ViscoQC



# The Game Changer

## 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

### EXCHANGE SPINDLES EASILY:

Built-in magnetic coupling saves you 15 seconds per test

### DETECT SPINDLE AND GUARD AUTOMATICALLY:

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  $\pm 0.1$  °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



FIND OUT MORE



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

# Accessories – for Outstanding Results

SOFTWARE FOR YOUR  
PAPERLESS LAB  
**AP CONNECT**



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



## PTD 100 CONE-PLATE WITH BUILT-IN PELTIER TEMPERATURE DEVICE

The ViscoQC 100/300 can be equipped with the PTD 100 Cone-Plate measuring system with integrated Peltier temperature control within seconds, providing a sophisticated method for absolute viscosity determination of small-volume samples down to 0.5 mL.

Highlights of this all-in-one solution:

- Error-eliminating, time-saving automatic gap setting
- Built-in Peltier temperature control from 0 °C to 100 °C and embedded temperature probe for super-precise temperature control and reading
- Spindles with magnetic coupling and Toolmaster™ feature, saving up to 25 seconds per spindle change and preventing costly operator errors



## CONFIGURE AS YOU NEED IT

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 cup D18/D22, ASTM spindles (4B2, L1D22)

Additionally, you can equip your ViscoQC with: spindle guard (L/R), optional spindle rack, or flexible cup holder.



## ALWAYS AT THE CORRECT TEMPERATURE

Our unique air-cooled Peltier temperature devices with integrated T-Ready™ ensure that your sample is always at the set temperature. Save time and money since they don't require any cooling liquids.

- PTD 80 for ViscoQC 100/300: 15 °C to 80 °C, for measuring systems CC, DG, SC4
- PTD 175 for ViscoQC 300: -45 °C to +175 °C, additionally for UL, 4B2, L1D22; fulfills ASTM D2983/D8210, ASTM D5133/D7110, AASHTO T316/ASTM D4402\*

\* Up to 175 °C maximum



## SOFTWARE UPGRADES FOR EXTRA ANALYSIS AND COMPLIANCE

ViscoQC 300 is your future-proof rotational viscometer that can grow with your needs via optionally upgradeable software modules in stand-alone mode (V-Curve and/or V-Comply) – all without any external PC. V-Comply is delivered with a ready-to-use pharma qualification package (PQP) document to save time and costs by qualifying the instrument within one day.

A PC data collection software, V-Collect, is also included for free in every ViscoQC delivery.



## SOLUTIONS FOR YOUR SPECIAL CHALLENGES

For the most convenient operation, ViscoQC 100/300 can be equipped with Heli-Plus. Your measurements can be fully standardized since all measuring positions are defined digitally on the user interface. By using a T-bar spindle, paste-like materials can be easily measured.

The determination of the gel time/pot life of thermosetting compounds (such as resin, glue) is possible with ViscoQC 100/300 using a glass rod.

# Your Application – Our Solution

	L-Model – Low Viscosity	R-Model – Medium Viscosity	H-Model – High Viscosity	Complies to
<b>CHEMICALS AND PETROLEUM PRODUCTS</b>	Adhesives (solvent base)   Chemicals Hot waxes   Hydraulic fluids   Inks   Latex Oils   Paints and coatings   Isocyanate Polymer solutions   Rubber solutions   Solvents	Adhesives (hot melt)   Asphalt   Ceramic slurries Engine oil   Epoxy resins   Gums Inks (screen printing)   Organosols   Paints Paper coatings and pulp   Plastics Surface coatings   Varnish	Adhesives (highly viscous)   Asphalt   Caulking compounds Epoxies   Inks (ballpoint, offset, lithographic)   Pastes Putty (wall)   Roofing compounds   Sealants	ISO 2555   ASTM D1084   ASTM D1824 ASTM D2983/D8210   ASTM D4402 (up to 175 °C) ASTM D5133/D7110 and more [see website]
<b>FOOD AND BEVERAGES</b>	Dairy products   Fruit concentrate   Juice Syrup   Smoothies   Gum arabic	Chocolate   Dairy products   Yogurt Dressings   Food products   Pudding   Starches Sauces   Ketchup	Chocolate   Mayonnaise   Molasses   Peanut butter   Jam	IOCCC 2000   ICA
<b>COSMETICS AND PHARMACEUTICALS</b>	Cosmetics   Mouthwash   Pharmaceuticals Shower liquids   Hand disinfection fluid Methylcellulose	Creams   Detergents   Lotions   Shampoo Liquid makeup   Eye makeup remover Toothpaste   Nail polish   Cough suppressant	Gels   Ointments	Ph. Eur. 2.2.10   USP 912   ChP 0633 IP 2.4.28   JP XVII 2.53 (2.1.2) and more [see website]



	ViscoQC 100			ViscoQC 300		
	L	R	H	L	R	H
<b>Viscosity test type</b>	Single-point			Multi-point		
<b>Viscosity range [mPa·s] (depends on the measuring system)</b>	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
<b>Speed [rpm]</b>	0.1 to 200 25 increments: 19 standard speeds plus 6 freely selectable speeds			0.01 to 250 Speed list with 18 standard speeds Freely selectable speeds within the speed range		
<b>Max. spring torque [mNm]</b>	0.0673	0.7187	5.7496	0.0673	0.7187	5.7496
<b>Accuracy</b>	±1.0 % full scale range					
<b>Repeatability</b>	±0.2 %					
<b>Display</b>	3.5" color LCD			7" color touchscreen		
<b>Data storage</b>	Non-storage Direct print/export			Data memory for up to 999 measurements Print/export from data memory		
<b>Trademarks</b>	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

