

ViscoQC



Rotational viscometers

Simplicity in perfection



UNPACK

Ready to use out of the box:

Just plug in the power supply and start to measure right away

Checks correct alignment:

Digital leveling for correct alignment at boot-up and for each measurement



MEASURE

Easy spindle attachment/exchange:

Built-in magnetic coupling for simple one-handed operation

Automatic spindle recognition:

Toolmaster™ prevents spindle selection errors

Automatic spindle guard detection:

TruGuard™ documents whether a guard is attached or not

Fastest and most accurate temperature control:

Peltier temperature device automatically signals sample temperature equilibration

Automatic speed searching function:

TruMode™ finds best measurement speed for unknown samples



UPGRADE

V-Curve software (to ViscoQC 300):

Adds graph/analysis/programmability

V-Comply software (to ViscoQC 300):

Adds audit trail, electronic signature, and more



MAINTAIN

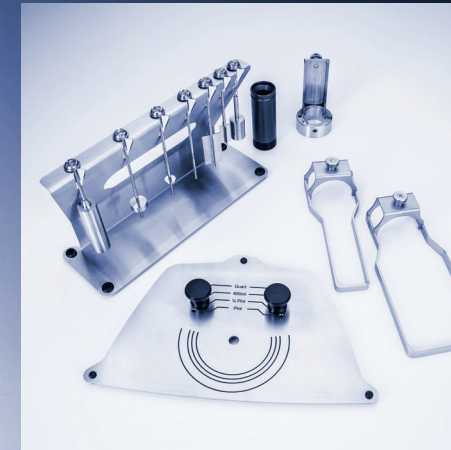
Lowest downtime in case of repair:

Sensor can be exchanged on-site

Automatic bearing check:

TruSine™ feature makes manual wind up obsolete

Accessories — for outstanding results



CONFIGURE AS YOU NEED IT

These accessories drive results

- L/RH spindles according to ISO 2555
- Concentric cylinder systems (DIN) according to ISO 3219
- Double-gap cylinder systems (DG) according to DIN 54453
- Vane spindles V71-V75
- Small sample adapters (SSA) SC4
- Glass rod GT6 for gel time (ASTM D3056)
- Disposable cup CC12/D18
- Spindle guard (L/R) to protect the spindle and provide an outer boundary
- Spindle rack to prevent damage to the spindle when not in use
- Flexible cup holder to ensure your pint or beaker is always centered



ALWAYS AT THE CORRECT TEMPERATURE

With our unique air-cooled Peltier temperature devices:

- No need for circulating bath
- PTD 80 suitable for ViscoQC 100/300 (+15 °C to +80 °C)
- PTD 175 suitable for ViscoQC 300 (-45 °C to +175 °C)
- For DIN and SC4 spindles
- T-Ready™ ensures you always perform measurement at the set temperature
- You save an enormous amount of space and time
- Highly accurate and fast temperature control
- Pt100 for sample temperature monitoring in an open beaker



PHARMA COMPLIANCE GUARANTEED

- Upgradeable software package (V-Comply) for full compliance with FDA 21 CFR Part 11, GMP and GAMP 5 (suitable for ViscoQC 300)
- Full traceability with automatic spindle/guard recognition and adjustment data track record
- Advanced data integrity to ensure no data can be deleted
- V-Comply includes Pharma Qualification Package (PQP) to save time and costs by qualifying the instrument within a few hours
- Methods are referenced in pharmacopeias (USP 912, Ph. Eur. 2.2.8, 2.2.10, ChP 0633, IP 2.4228, and JP XVII 2.53)
- Dymo® LabelWriter™ to directly print results right after measurement

	ViscoQC 100			ViscoQC 300		
	L	R	H	L	R	H
Viscosity test	SINGLE-POINT			MULTI-POINT		
Viscosity range [mPa·s] (depends on the measuring system)	1* to 6M	6.4** to 40M	51.2*** to 320M	1* to 6M	3** to 40M	24*** to 320M
Speed [rpm]	0.1 to 200			0.01 to 250		
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 %					

* With optional system UL26, with L1 spindle 15 mPa·s
 ** With optional system UL26, with RH1 spindle 100 mPa·s
 *** With optional system UL26, with RH1 spindle 800 mPa·s

ViscoQC is a registered trademark of Anton Paar (EM 01062030).
 M = 1 million

Your application – our solution

Our viscometers cover the whole viscosity range with three models: L for low-viscosity samples, R for medium-viscosity samples, and H for high-viscosity samples.

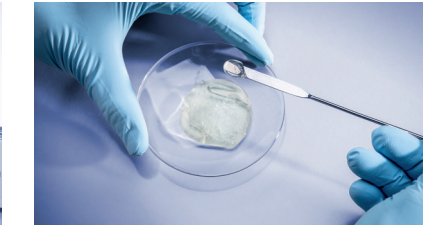
The standard delivery includes the instrument equipped with Toolmaster™ and magnetic coupling, 4 spindles (L) or 6 spindles (RH) made of AISI 316L, stand, power supply, USB cable, V-Collect data collection software, printed SOP, and an instruction manual.



CHEMICALS & PETROCHEMICALS



FOOD & BEVERAGES



COSMETICS & PHARMACEUTICALS

	CHEMICALS & PETROCHEMICALS	FOOD & BEVERAGES	COSMETICS & PHARMACEUTICALS
L-MODEL	Solvents Inks Oils Lubricating oils Liquid wax	Juices Fruit concentrates Smoothies	Mouthwash Shower liquids Cough suppressant
R-MODEL	Paints Coatings Adhesives Epoxy resins	Dairy products (yoghurt) Dressings Sauces Pudding	Shampoos Lotions Detergents
H-MODEL	Concrete Wall putty Highly viscous adhesives	Chocolate and cocoa products Mayonnaise	Ointments Gels
COMPLIANCE WITH	ISO 2555 ASTM D1084 ASTM D1824 ASTM D2196 and many more	IOCCC 2000 ICA	Ph. Eur. 2.2.10 USP 912 ChP 0633 IP 2.4.28 JP XVII 2.53 and more

The Game Changer

Thanks to the following pioneering innovations, you can expect much more from **ViscoQC** than from any other rotational viscometer on the market.

- Digital leveling for proper alignment check
- Magnetic spindle coupling for fast spindle exchange
- Toolmaster™ for error-free operation
- T-Ready™ automatically signals sample temperature equilibration
- TruMode™ as the ultimate help for handling unknown samples
- TruGuard™ for automatic detection of spindle guard
- At-site exchangeable sensor for minimum downtime

ViscoQC 100		ViscoQC 300
SINGLE-POINT		MULTI-POINT
Manual Mode TruMode™ Stop at Time / Torque / Temperature	PREDEFINED MODES/METHODS	Manual Mode with TruMode™ Stop at Time with TruMode™ Stop at Torque / Temperature / Viscosity Speed / Temperature Scan All methods with: QC-limit function, user instructions
3.5" color LCD display	INTUITIVE USER INTERFACE	7" color touchscreen Options: keyboard, mouse, bar code reader
Non-storage Direct print / export	DATA STORAGE	Data memory (up to 999 measurements) Print/export from data storage
V-Collect PC software Dymo® LabelWriter™	DATA TRANSFER	Additional to ViscoQC 100: PDF export, CSV table, LIMS Page printer (USB or network)
None	USERS, USER GROUPS	Yes, customizable
None	UPGRADABLE SOFTWARE PACKAGES	Yes: V-Curve and/or V-Comply
Pharma Qualification Package Smart (PQP-S) Fulfills GMP, GAMP 5 except 21 CFR Part 11	PHARMA QUALIFICATION DOCUMENTATION	Pharma Qualification Package (PQP) Fulfills GMP, GAMP 5, and 21 CFR Part 11

