

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
- TruMode™ as 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 Scan, Time Scan All methods with: OC-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 |

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Functionality

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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
- 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:**
TruSense™ feature makes manual wind up obsolete



Accessories — For outstanding results



Configure as you need it

Spindles according to ISO 2555 (L/RH), DIN spindles according to ISO 3219 (CC) and DIN 54453 (DG), vane spindles (V71 to V75), and a disposable cup version (CC12/D18) are available. Spindle guards (L, R) can be ordered as an option. To keep your workspace tidy, 7 spindles can be positioned in the spindle rack and the flexible cup holder ensures that your beaker or pint is always centered at the right place.



Always the correct temperature

Temperature is the main influencer in viscosity determination. Choose the Pt100 sensor for monitoring the sample temperature (-60 °C to +300 °C) or use the bath thermostat for controlling the temperature of the 600 mL sample beaker (ambient to +100 °C).



Reliable results and compliance guaranteed

Use a Dymo® LabelWriter™ to directly print results right after measurement. Different Pharma Qualification Packages for ViscoQC 100/300 as well as the upgradable software package (V-Comply) for ViscoQC 300 ensure full compliance with regulations such as GMP, GAMP 5 and 21 CFR Part 11.

| | 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 | 10** to 40M | 60*** to 320M | 1* to 6M | 10** to 40M | 60*** 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 double-gap system DG26, with L1 spindles 15 mPa·s
 ** With optional double-gap system DG26, with RH1 spindles 100 mPa·s
 *** With optional double-gap system DG26, with RH1 spindles 800 mPa·s

M = 1 million

Your application – Our solution

Our viscometers cover the whole viscosity range with 3 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 and petrochemicals | Food and beverages | Cosmetics and 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 | Orniments Gels |
| Compliance with | ISO 2555 ASTM D1094 ASTM D1824 ASTM D2196 and many more | IOCCO 2000 ICA | Ph. Eur. 2.2.10 USP 912 ChP 0633 IP 2.4.28 JP 2.1.1.2 and more |