



ViscoQC™ 100 Rotational Viscometer

ViscoQC™ 100 is Anton Paar's entry-level rotational viscometer that measures the dynamic viscosity as a single-point value. Unbeatable ease of use is guaranteed with its intuitive user interface, unique TruMode (Auto Mode), automatic spindle detection, automatic guard detection, magnetic spindle coupling for one-hand operation, and many more features.

The Game Changer in Rotational Viscometry

The Game Changer

ViscoQC™ 100 automatically detects spindles and guards (Toolmaster™, TruGuard), eliminating the possibility of errors which occur when manually choosing the spindle. To make the setup even more convenient, the spindles have a magnetic coupling which allows quick one-hand mounting/dismounting and protects the spindles against bending. The viscometer checks its proper alignment using an intuitive integrated digital leveling function at startup, before and during measurements, so you can always be sure that the instrument is leveled, without needing to check it manually. The result: Excellent reproducibility of your measurements.



ViscoQC™ 100 benefits

Designed to suit your work

- Predefined measurement modes: Manual Mode, Stop at Time, Stop at Torque, Stop at Temperature
- TruMode (Auto Mode): Automatically searches the speed at a certain torque that is needed to measure a sample
- Data directly printed via V-Collect or Dymo® LabelWriter™ (via USB interface)
- Customizable speedlist: Add up to 6 speeds to the standard speedlist to exactly get to your required torque
- Available in 10 languages

Built-in ease of use

- Toolmaster™ for automatic spindle recognition
- Magnetic coupling for easy attachment/removal of spindles
- Well-structured, intuitive user interface
- 3.5" color LCD display with hot keys for easy navigation
- Calibration of spindles and editable temperature offset ± 5.0 °C (± 5.0 K, ± 9.0 °F)

Fit for pharmaceutical measurements

- Non-storage mode
- Available with Pharma Qualification Package Smart
- Installed (including documentation) within one day

Available in three different torque ranges

- L: For low-viscosity samples (solvents, oils, juices, ...)
- R: For regular (medium-viscosity) samples (paints, adhesives, dairy products, ...)
- H: For high-viscosity samples (mayonnaise, peanut butter, ointments, ...)

Different measuring systems to suit your samples' viscosity

- Spindle geometries (L, RH) according to ISO 2555
- Concentric cylinder geometries according to ISO 3219
- Double-gap (DG) system to measure low-viscosity samples (≥ 1 mPa.s)

Optional accessories

- Flexible cup holder
- Pt100 temperature sensor
- USB label printer
- Heating bath circulator
- Calibration oil standards

The standard delivery includes:

- ViscoQC™ 100 with Toolmaster™ and magnetic coupling
- Stand, USB cable, and V-Collect software
- 6 spindles (RH) or 4 spindles (L) made of AISI 316L
- Spindle guard (for L and R model)

Technical specifications

	L	R	H
Viscosity range [mPa.s] (depends on the measuring system)	1* to 6 000 000	10* to 40 000 000	60* to 320 000 000
Speed [rpm]	0.1 to 200 25 increments: 19 preset plus 6 editable		
Max. spring torque [mNm]	0.0673	0.7187	5.7496
Accuracy	± 1.0 % full scale range		
Repeatability	± 0.2 % full scale range		

* Minimum range using ViscoQC™ accessories