Anton Paar

Viscometry & Rheometry

MASTER THE FLOW

The whole world of viscometry and rheometry

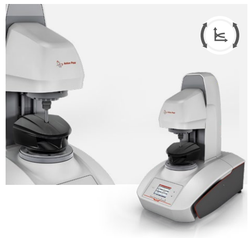
Rotational viscometers

ViscoQC 100

Ready to use out of the box, ViscoQC 100 is designed to bring simplicity to your daily operation for single-point viscosity determination. Unrivaled user experience is ensured by its automatic spindle detection with magnetic coupling as well as the unique auto speed searching function.

ViscoQC 300

ViscoQC 300 ensures the quality of your substance by delivering fully traceable viscosity results right at your fingertips: Starting from a multi-point viscosity measurement for your respective purpose, your system is upgradeable with compliance and/or additional analysis software.



Rotational rheometers

RheolabQC

RheolabQC combines unrivaled performance with easy operation in daily quality control to perform routine rotational rheological tests, such as flow curves or yield point determinations. Very fast speed changes to study the thixotropic flow behavior are possible thanks to the powerful, highly dynamic EC motor drive.

MCR 72

MCR 72 is a rotational rheometer for quick and easy rheological measurements that is designed to investigate the deformation and flow behavior in terms of, for example, flow curves or determination of the yield point and the thixotropic effect of a sample in a daily lab routine.

MCR 92

MCR 92 is a rheometer equipped with a highly sensitive air-bearing motor that can be operated in rotational and oscillatory mode to investigate flow and deformation behavior as well as structure in a quick and easy way.

Rotational and oscillatory rheometers

MCR 102e, MCR 302e, MCR 502e

The MCR modular compact rheometer series is used for all kinds of rheological investigations and can also be combined with other complementary methods, for example powder rheology, dielectric spectroscopy, magnetorheology, microscopy, and many more.

MCR 702e MultiDrive

MCR 702 MultiDrive is the most versatile high-end rheometer for sophisticated rheological measurements and dynamic mechanical characterization in research and development.

Single-point measurement (rotation)

Multi-point measurement (rotation)

Flow curve (rotation)

Flow curve and structure determination (rotation and oscillation)

Flow curve and structure determination (rotation and oscillation) with two drives

entry-level viscometer — high-end rheometer

Features

- Easy spindle attachment/ exchange: Built-in magnetic coupling
- Automatic spindle and spindle guard detection: Toolmaster™ and TruGuard™
- Automatic speed searching function: TruMode™ finds the best measurement speed
- The lowest downtime in case of repair: Sensor can be exchanged on-site

- Easy one-handed measuring bob exchange: QuickConnect
- Automatic spindle detection: Toolmaster™
- Excellent temperature control: Peltier temperature device
- Compliance guaranteed: Fulfills regulations of 21 CFR Part 11

- Motor-driven elevation mechanism and patented SafeGap technology (AT 517074) that ensure 100 % reproducible results
- Most accurate temperature control with air-cooled Peltier temperature units
- Integrated light (TruRay) for a clear view of the sample
- Easy one-handed exchange of measuring systems with QuickConnect

- Air-bearing-supported EC motor with integrated normal force sensor
- Automatic tool recognition and configuration system with Toolmaster™
- QuickConnect coupling that allows one-hand connection of measuring systems
- The widest range of modular accessories for all kinds of applications

- Air-bearing-supported EC motor for standard and sophisticated rheological measurements
- Two EC motors to cover all rheological working modes in one device
- Linear drive for Dynamic Mechanical Analysis
- Most versatile device for all kinds of applications

MASTER THE **FLOW**

Anton Paar is a full-range supplier that covers the whole world of viscometry and rheometry. Recently the world market leader in the field of rheometry introduced its first two rotational viscometers, ViscoQC 100 and ViscoQC 300: one for single-point and the other one for multi-point viscosity measurements. In this way the portfolio has been completed at a stroke. Anton Paar's viscometers and rheometers cover all kinds of measurements, from single-point rotational measurements to flow curves and structural analysis in oscillation up to sophisticated material analysis with two drive units in one device.

Whatever industry you work in – from food, pharmaceuticals, and cosmetics to chemicals, such as paints and coatings – your sample needs to be characterized accordingly. Viscometers and rheometers help you with a range of issues, for example:

Checking the quality of the liquid raw materials in fruit juice production

Ensuring ideal consistency when applying paint to a wall

Measuring the rest and flow behavior of shampoo

Designing the so-called "mouthfeel" of chocolate

Investigating the micro-structural changes of delicate samples such as suspensions

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