HAAKE Viscotester® 550 Universal DIN / ISO Package with Cylinder Measurement System

Order-No. 362-0051 European and 362-0052 US Version

Application

Fluids of many different types can be characterized according to different standards. Flow curves deliver a rheological determination of Newtonian and non-Newtonian flow behavior. Application properties, e.g. sedimentation, spreadability or flow properties of more viscous products are determined by measuring the yield point in the CD-mode.

Food Industry
Sauces, mayonnaise, mustard, ketchup and raw materials like thickening agents, stabilizers, starch or pectin

Cosmetic or Pharmaceutical Industry
Creams, lotions, shampoos, toothpastes and liquid soaps

Paint Industry
Water-based paints, latex paints, bonding agents, resins

Chemical Industry
Liquid and paste-like raw materials and intermediate products

Features

- Viscosity measurements according to DIN / ISO standards
- Precise measurement of viscosity in controlled rate "CR"-mode
- Yield point determination in controlled deformation "CD"- mode
- Built-in job routines or HAAKE RheoWin 3 software (optional)
- Compatibility with a wide range of measuring systems

Contents of Standard Package

- HAAKE Viscotester 550 (115-230V/50-60Hz)
- Support stand for the base unit
- Temperature control vessel with connector to circulator (Ø 8 mm)
- PT100 temperature sensor

Accessories Required:
Cylinder measuring system including measuring cup and rotor

Option:
HAAKE RheoWin 3 measuring and evaluation software

Cylinder measurement system DIN 53019/ISO 3219

These standardized measuring systems are ideal for the measurements of less viscous substances like watery latex paints (DIN 53019), surfactants (DIN 53214) and paints (DIN 53921). Each system consists of a measuring cup and rotor that are used together with the HAAKE temperature control vessel. Characteristic values are standardized in order to achieve comparable measurements with different instruments.

Measuring ranges cylinder-viscometers

	MV DIN	SV DIN
Viskosity recommended range (mPas)	20 - 10 000	100 - 100 000
Viskosity max. range (mPas)	1 - 100 000	10 - 1 000 000
Shear rate (1/s)	0.65 - 1032	0.65 - 1032
Shear stress (Pa)	0.1 - 120	0.7 - 740
Temperature (°C)	-20 to 100	-20 to 100
Volume (cm3)	46	14
Gap/max. particle (mm)	1.64 / 0.5	0.9 / 0.3

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08.02.07