

Thermo Scientific HAAKE Viscotester 3 Rotational Viscometer

Perform measurements with ease

The Thermo Scientific™ HAAKE™ Viscotester™ 3 rotational viscometer puts reliable viscosity measurements in the lab, or right in your hand. Everything about this instrument is designed to ensure ease of use – its sophisticated design, individual user settings, graphical display with user guidance, and more. All that comes in a ready-to-go package complete with carrying case. It's so easy to use...it's just sheer genius.

Ease of use is built right into the HAAKE Viscotester 3 viscometer in a variety of ways. With its unique design, the instrument positions itself automatically with the correct alignment whether handheld or on a lab stand. The quick coupling enables a smart exchange of the rotors. In addition, user guidance is provided by color-coded geometries and a measuring range indicator. Plus, "Memory Assist" functionality allows the operator to quickly and easily compare measured viscosities with a reference value.



Display with measuring data and comparison with reference value



Color-coded rotors with "Select Assist" functionality

Additional features

- Correct alignment given by design and electronic spirit level
- 2.4" color display with adaptable brightness
- Selectable viscosity units (mPa s or dPa s)
- Use with re-chargeable batteries or external power supply
- Compatibility with previous HAAKE Viscotester models 1 plus & 2 plus, 01 & 02

Measuring principle

A rotor rotating at a constant speed is immersed in the fluid to be tested. The fluid's resistance to the rotation is measured and converted into a viscosity measurement.

Technical specifications	
Viscosity ranges*	
L Version (For low viscous samples)	1.5 mPa s - 1300 mPa s
R Version (For higher viscous samples)	30 mPa s - 400 000 mPa s
Rotational speed	62.5 rpm
Temperature	up to 150 °C
Measuring accuracy	
Rotors R1, R2, R3	+/- 5 % FSD
Rotor R5	+/- 7.5 % FSD
Rotor R4	+/- 10 % FSD
Certification	CE

*Viscosity unit selectable (dPa s or mPa s); 1 dPa s = 100 mPa s; 1 mPa s = 1 cP

Order No.	Description
399-0111	HAAKE Viscotester 3 L Viscometer Base viscometer in carrying case with instrument holder for lab stand, two measuring cups (A and B), three rotors (No. 3, 4 and 5), four rechargeable batteries and one power supply adapter
399-0112	HAAKE Viscotester 3 R Viscometer Base viscometer in carrying case with instrument holder for lab stand, one measuring cup (No. 3), three rotors (No. 1, 2 and 3), four rechargeable batteries and one power supply adapter
222-2358	Rotor 1 Viscosity range: 300 mPa s – 15 000 mPa s
222-2359	Rotor 2 Viscosity range: 10 000 mPa s – 400 000 mPa s
222-2360	Rotor 3 Viscosity range: 30 mPa s – 1300 mPa s
222-2361	Rotor 4 Viscosity range: 1.5 mPa s – 33 mPa s
222-2362	Rotor 5 Viscosity range: 15 mPa s – 150 mPa s
222-1685	Cup A
222-1684	Cup B
222-1686	Cup 3
222-1678	Support stand



Applications

- Quick viscosity tests, e.g., for process optimization or machine adjustment
- Batch control in production
- Incoming goods inspection

Typical samples

- Paints, inks, coatings
- Shampoos, creams, lotions
- Sauces, thickeners
- Lubricants, oils, greases