



Cole-Parmer®

**THERMO SCIENTIFIC
HAAKE 1 PLUS AND 2 PLUS
HANDHELD VISCOMETERS**

**QUICK AND RELIABLE
QUALITY CONTROL
MEASUREMENTS**



Thermo Scientific Haake 1 plus and 2 plus Handheld Rotational Viscometers

Haake 1 plus and 2 plus handheld rotational viscometers from Cole-Parmer are quick, exact, and reliable battery-powered units with a simple one-button operation. Operate as a handheld unit or use on the optional stand. Digital display delivers clear results. These viscometers are delivered in a sturdy carrying case as a complete ready-to-use package with three measuring systems.

These handheld viscometers are ideal for spot checks on the production floor and batch control—as they combine accuracy with ease of use and convenience. Available off-the-shelf from Cole-Parmer India at competitive prices, these products are unique in the marketplace.

APPLICATIONS

- Quick viscosity tests for process optimization or machine adjustment
- Batch control in production

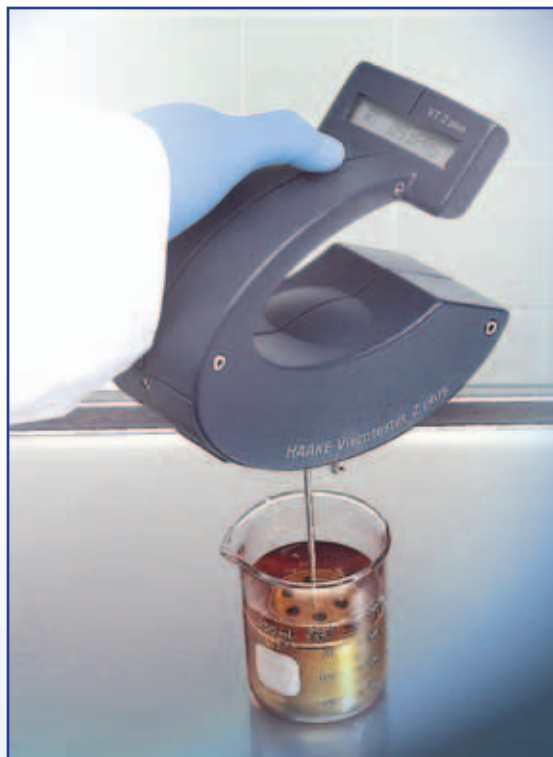


FEATURES

- Quick, exact, and reliable
- Easy one-button operation
- LCD provides clear readings
- Battery operated—no power supply needed

**Battery-powered for
in-field operation**

Thermo Scientific Haake 1 plus and 2 plus Handheld Rotational Viscometers



DIGITAL DISPLAY

Contrary to the traditional viscometers where the viscosity is read from an analog dial, the Haake 1 plus and 2 plus viscometers show the viscosity on a digital display. Therefore errors caused by misreading the dial belong to the past. Possible handling errors as well as service information are also shown on the display.

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 a measure for the viscosity of the fluid. The small battery-operated rotational viscometer can be operated independent of a mains supply, so that quick and reliable viscosity measurements can be performed virtually everywhere!

USER FRIENDLINESS

The operation of the Haake 1 plus and 2 plus viscometers is especially easy due to one-button operation. Push the button to switch the unit on, then push the button again to select the rotor type and start measuring.

MEASURING ACCURACY

The measurement accuracy can be adapted to your needs. The standard accuracy of the Haake 1 plus and 2 plus viscometers is $\pm 5\%$; optionally the instruments can be delivered with an increased accuracy of $\pm 1\%$.

HANDHELD OR WITH STAND

The Haake 1 plus and 2 plus viscometers can be handheld or operated on a stand. Changing is a matter of seconds because the meter only has to be placed in the optional stand.

TYPICAL SAMPLES

- Printing inks, paints
- Shampoos, creams, lotions
- Oils, greases, pastes, lubricants
- Sauces, thickeners



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International customers

Call 847-549-7600 to reach our International Sales Department or contact your local dealer.



FREE TECHNICAL APPLICATIONS ASSISTANCE!

PERFORMANCE SPECIFICATIONS

- Delivered in a sturdy carrying case as a complete ready-to-use package with three measuring systems each
- Calibration to an increased $\pm 1\%$ measuring accuracy available—order separately below



Measuring accuracy:

$\pm 5\%$ FSD

Rotational speed:

65.5 U/min

Power:

four AA batteries (included)

Reproducibility:

$\pm 1\%$ FSD

Temperature:

up to 150°C (302°F)

CE

Catalog number	Description	Viscosity range
ML-08705-01	Haake 1 plus handheld rotational viscometer	1.5 to 330 cP
ML-08705-02	Haake 2 plus handheld rotational viscometer	30 to 400,000 cP

What's included:


Three rotors, sample cup (two in case of 08705-01), carrying case, and batteries.

Accessories

ML-08705-09 Calibration to a measuring accuracy of $\pm 1\%$ FSD; must order at same time as viscometer.

ML-50001-92 Stand, 29"H x $\frac{5}{8}$ " diameter.

GO to ColeParmer.com
ColeParmer.com/Viscometers
 A full selection of NIST-traceable viscometry standards are available separately online.





Optional stand
50001-92