

Brookfield Rotational Viscometers

Read viscosity directly and affordably

- 18 speeds provide wide measuring capability
- Just flip a switch and turn a dial to set the speed and spindle code

Measure viscosity in a wide range of centipoise (cp) for a variety of industrial and laboratory applications. The four-digit LCD ensures easy reading of both centipoise (cp) or millipascal seconds (mPaS), as well as percent torque, and speed. Display also shows spindle number.

Choose the low-range models (15 to 2,000,000 cp) to measure low-viscosity materials such as oils, solvents, paints, and coatings. Choose the medium-range models (100 to 13,000,000 cp) to measure medium-viscosity materials such as sauces, adhesives, creams, and varnishes. Choose high-range models (800 to 104,000,000 cp) to measure high-viscosity materials such as epoxies, gels, and tars.

These rotational viscometers conform to ASTM D115, D1076, D1084, D4300, D1417, D1439, D1824, D2196, D2364, D2393, D2556, and D2669.

What's included: viscometer stand, 5-ft power cord, and storage case. Models 98945-00 and -05 also include four standard spindles and spindle guard. Models 98945-10 and -15 include six standard spindles and a spindle guard. Models 98945-20 and -25 include six standard spindles. Order replacement spindles separately below right.

Specifications

- Accuracy:** ±1% full scale in use
- Repeatability:** ±0.2% full scale in use
- Response time:** 4 times per revolution
- Spindle speeds in rpm:** 0.3, 0.5, 0.6, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 10, 12, 20, 30, 50, 60, 100



| Description | Centipoise range† | Power (50/60 Hz) | Catalog number | Price |
|-------------------------|-----------------------|--------------------|--|-------|
| Low-range viscometer | 15 to 2,000,000 cp | 115 VAC 230 VAC | GH-98945-00 GH-98945-05 | |
| Medium-range viscometer | 100 to 13,000,000 cp | 115 VAC 230 VAC | GH-98945-10 GH-98945-15 | |
| High-range viscometer | 800 to 104,000,000 cp | 115 VAC 230 VAC | GH-98945-20 GH-98945-25 | |

†Ranges apply to Newtonian materials.

- [GH-98945-95 Replacement stand](#) for viscometers
- [GH-98945-96 Spindle rack](#) holds seven spindles
- [GH-17107-01 NIST-traceable calibration](#) with data for viscometers



Viscometer 98945-00; spindle guard leg available only with low- and medium-range models.



Spindle rack 98945-96; spindles not included

Replacement Spindles

Order replacement spindles according to your viscometer model and desired centipoise range. Use spindles 98945-70 through -73 for the low-range viscometers. Use spindles 98945-74 through -80 for the medium- and high-range viscometer models.

| Viscosity ranges in centipoise (cp) | | | Catalog number | Price |
|-------------------------------------|-----------------------------------|---------------------------------|-----------------------------|-------|
| Low-range models 98945-00, -05 | Medium-range models 98945-10, -15 | High-range models 98945-20, -25 | | |
| 15 to 20,000 | — | — | GH-98945-70 | |
| 50 to 100,000 | — | — | GH-98945-71 | |
| 200 to 400,000 | — | — | GH-98945-72 | |
| 1000 to 2,000,000 | — | — | GH-98945-73 | |
| — | 100 to 20,000 | 800 to 160,000 | GH-98945-74 | |
| — | 100 to 80,000 | 800 to 640,000 | GH-98945-75 | |
| — | 100 to 200,000 | 800 to 1,600,000 | GH-98945-76 | |
| — | 200 to 400,000 | 1600 to 3,200,000 | GH-98945-77 | |
| — | 400 to 800,000 | 3200 to 6,400,000 | GH-98945-78 | |
| — | 1000 to 2,000,000 | 8000 to 16,000,000 | GH-98945-79 | |
| — | 4000 to 8,000,000 | 32,000 to 64,000,000 | GH-98945-80 | |

‡Not included with medium- and high-range viscometers.

Teky's Tips



How it works:

The spindle is immersed into the test fluid. The viscometer measures the additional torque required for the spindle to overcome viscous resistance and regain constant speed. This value is then converted to centipoise and displayed on the LCD readout.