



## SVM 1001 Kinematic Viscometer Series

SVM 1001 and SVM 1001 Simple Fill are your budget-friendly entry tickets into the world of digital, automatic kinematic viscometry. The unbreakable measuring cell lets you measure samples from diesel to lubricant without needing a stopwatch, temperature bath, or additional glass capillaries.

**Welcome to New Viscometry**

## Simple. Safe. Magical.

**Simple:** Measuring viscosity has never been so easy. Simply fill the sample directly from the container and press the start button. No pipette or syringe is needed. Cleaning and drying is easy – pour the solvent in the funnel and let SVM 1001 Simple Fill do the rest. Since the SVM 1001 series can be battery-powered, you can take the instrument with you into the field or keep measuring during power outages.

**Safe:** SVM 1001 is the only budget-friendly, ASTM-compliant kinematic viscometer on the market with zero risk of glass capillary breakage. Operators have less exposure to hazardous solvents, as only a few mL of solvent are required for cleaning. Since built-in Peltier thermostating is used, no hot or flammable bath fluids are needed, which further reduces operator risk and improves lab safety.

**Magical:** By consuming 95 % less energy and 75 % less solvent, it significantly reduces your environmental footprint and helps you save on yearly solvent purchasing and disposal costs. It covers a wide viscosity range with a single measuring cell instead of 12 capillaries. This saves you time while reducing costs for purchasing, calibrating, and replacing capillaries. When measuring unknown samples, no trial-and-error is needed to select the right capillary, which eliminates operator impact, saves further time and effort, and ensures precise measurements.

- Ready to use out of the box
- 150 % higher throughput compared to manual glass capillary viscometers
- ASTM-compliant results in both D7042 and D445 using the integrated ASTM-defined bias correction
- Reduced operating time from 30 minutes to less than five minutes; with SVM 1001 Simple Fill, it's down to two minutes
- In-place filling, cleaning, and drying makes the instruments easy to use
- Error-free: no mathematical errors due to manual calculations, no manual reporting
- Digital data handling for high traceability
- Digital data storage avoids data loss
- No bath, bath liquid, or counter cooler needed, which saves on energy costs (50 W instead of 1,000 W or more) and lab space

### Technical data

|                           | SVM 1001   | SVM 1001 Simple Fill  |
|---------------------------|--|-----------------------|
| Net weight                | 5.6 kg (12.3 lb)                                   | 6.6 kg (14.6 lb)      |
| Max. throughput           | up to 37 samples/hour                              | up to 21 samples/hour |
| Viscosity range           | 0.3 mm <sup>2</sup> /s to 5,000 mm <sup>2</sup> /s |                       |
| Temperature range         | 15 °C to 100 °C*                                   |                       |
| Sample volume (min.)      | 1.5 mL   | 3.5 mL                |
| Solvent volume (min.)     | 1.5 mL   | 5.0 mL                |
| Viscosity repeatability   | 0.1 %**  |                       |
| Viscosity reproducibility | 0.35 %**   |                       |
| Data memory               | 1,000 results                                      |                       |

\*One temperature included. Second temperature is optional.

\*\*Attested at the points of the works adjustment or at calibration correction points, not including the uncertainty of the standards. Valid for ideal measuring and sample conditions within the works adjustment range.



Your distributor: