

Technical Data - SVM 4001

Standard methods
ASTM D7042, EN 16896, ASTM D4052, ISO 12185

Viscosity:	
Repeatability	0.10%
Reproducibility	0.35%
Measuring range	0.2 mm ² /s to 30 000 mm ² /s
Density:	
Measuring range	0.6 g/cm ³ to 3 g/cm ³
Repeatability	0.00005 g/cm ³
Reproducibility	0.0001 g/cm ³
Temperature:	
Measuring range	+15 °C to +100 °C
Repeatability	0.005 °C (0.009 °F)
Reproducibility	0.03 °C (0.054 °F) from 15 °C to 100 °C
Other specifications:	
Supported precision classes	Ultrafast, Fast, Precise, and Ultraprecise
Sample volume min./typical	2.5 mL / 6 mL
Solvent volume min./typical	2.5 mL / 10 mL
Maximum sample throughput	24 samples per hour
Peltier temperature control	Designed for simultaneous measurement at any two different temperatures within the range
Wetted parts	Inside the instrument: copper, titanium, stainless steel A4, Inconel®
O-rings in contact with sample	Viton® Extreme
Data memory	1000 measurement results
HID (Human Interface Device)	Touchscreen; optional keyboard, mouse, and 2D bar code reader
Interfaces	4 x USB (2.0 full speed); 1 x Ethernet (100 Mbit); 1 x CAN bus; 1 x RS-232; 1 x VGA
Compliance	CE mark; EMC directive EN 61326-1; LV directive EN 61010-1; RoHS
Special features	Double measurement cells for simultaneous viscosity and density measurement at any two different temperatures in the range, VI method, API calculations, FillingCheck™. Optional: Automation, modularity with Abbemat refractometers