



Technical Data - SVM 3001

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	-60 °C to +135 °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	1.5 mL / 5 mL
Solvent volume min./typical	1.5 mL / 6 mL
Maximum sample throughput	30 samples per hour
Peltier temperature control	Designed for fast heating/cooling over a wide range
Wetted parts	Inside the instrument: copper, titanium, stainless steel A4, Inconel®
O-rings in contact with sample	Kalrez® Spectrum 0040
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
Special features	Automatic VI method, API calculations, temperature scans, FillingCheck™. Optional: Countercooling, automation, modularity with Abbemat refractometers