



Technical Data - SVM 3001 Cold Properties

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 +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	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
Optional automation	Non-heated: Single syringe (2 mL, 5 mL, or 10 mL) or 45 vials (35 mL) or 71 vials (12 mL) Heated: 36 vials (12 mL) or single sample filling (from 12 mL vial)
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
Power supply	AC 100 V to 240 V; 50 Hz to 60 Hz; 250 VA max.
Ambient conditions	15 °C to 35 °C (59 °F to 95 °F), max. 80 % r.h. non-condensing
Net weight/shipping weight	18.0 kg/22.6 kg
Dimensions (W x D x H)	33 cm x 51 cm x 23.1 cm (13 in x 20 in x 9.1 in)

Compliance	CE mark; EMC directive EN 61326-1; LV directive EN 61010-1; RoHS
Special features	Automatic VI method, API calculations, temperature scans, FillingCheck™. Optional: Countercooling, automation