	SVM 2001	SVM 3001	SVM 4001
Patents granted	AT5 AT516058 (B1), AT516302 (B1) 16058 (B1), AT516302 (B1)		
Temperature range	+15 °C to +100 °C	-60 °C to +135 °C	+15 °C to +100 °C
Viscosity range	0.2 mm²/s to 30 000 mm²/s		
Density range	0.6 g/cm³ to 3 g/cm³		
Viscosity repeatability*	0.1 %	0.1 %	0.1 %
Viscosity reproducibility*	0.35%	0.35%	0.35%
Density repeatability*	0.0002 g/cm³	0.00005 g/cm³	0.00005 g/cm³
Density reproducibility*	0.0005 g/cm³	0.0001 g/cm³	0.0001 g/cm³
Temperature repeatability	0.005 °C (0.009 °F)	0.005 °C (0.009 °F)	0.005 °C (0.009 °F)
Temperature reproducibility	0.03 °C (0.054 °F) from 15 °C to 100 °C	0.03 °C (0.054 °F) from 15 °C to 100 °C 0.05 °C (0.09 °F) outside this range	0.03 °C (0.054 °F) from 15 °C to 100 °C
Main standards	ASTM D7042, EN 16896	ASTM D7042, EN 16896 ASTM D4052, ISO 12185	ASTM D7042, EN 16896 ASTM D4052, ISO 12185
Supported precision classes	Ultrafast, Fast and Precise	Ultrafast, Fast, Precise and Ultraprecise	Ultrafast, Fast, Precise and Ultraprecise
Sample volume min./typical	1.5 mL / 5 mL	1.5 mL / 5 mL	2.5 mL / 6 mL
Solvent volume min./typical	1.5 mL / 6 mL	1.5 mL / 6 mL	2.5 mL / 10 mL
Maximum sample throughput	30 samples per hour		24 samples per hour
Peltier temperature control	Designed for constant temperature	Designed for fast heating/cooling over a wide range	Designed for simultaneous measurement at any two different temperatures within the 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	Viton® Extreme	Kalrez® Spectrum 0040	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		
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	15.9 kg/20.5 kg	17.6 kg/22.2 kg	17.8 kg/22.4 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	Optional: Automatic VI method, automation	Automatic VI method, API calculations, temperature scans, FillingCheck™. Optional: Countercooling, automation, modularity with Abbemat refractometers	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

*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.
SVM (EM13411996), Stabinger Viscometer (WO1232458, EM12708863), FillingCheck (EM006834725)

All data refer to stand-alone instruments.
For more information, please contact your Anton Paar representative.