ASTM D7042, EN 16896  
ASTM D4052, ISO 12185

Technical Specifications

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|  | **SVM™ 2001** | **SVM™ 3001** | **SVM™ 4001** |
| Patents granted | AT516058 (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 | | |
| 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 | Single syringe (5 mL or 10 mL) or 45 vials with 35 mL or 71 vials with 12mL | | |
| 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 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 |

For more information, please contact your Anton Paar representative.