



SVM 3001 Cold Properties kinematic viscometer

The SVM 3001 Cold Properties kinematic viscometer is the all-in-one solution for the measurement of a multitude of parameters such as viscosity, density, cloud point, or freeze point from a single syringe. Unparalleled flexibility meets unmatched value and compliance fulfillment to make SVM 3001 Cold Properties the smart solution for fuel measurements.

Everything is possible with SVM 3001 Cold Properties.

SVM 3001 Cold Properties

Viscosity, density, and cold properties are essential parameters for fuels. Ensuring that the products fulfill the necessary specifications is crucial not only for the proper operation of engines, but also the safety of passengers.

The most versatile viscometer for your low-temperature applications

- All parameters from one syringe, saving time and effort – SVM 3001 Cold Properties provides more results from a single sample than any other viscometer on the market
- Coverage of the entire viscosity, density, and temperature range with the SVM 3001 Cold Properties' integrated measuring cell
- Measurement of a wide variety of different samples – from jet fuel and diesel, up to base oils or lubricants, if needed
- Compliance is assured with SVM 3001 Cold Properties – relevant standards and specifications include:
 - ASTM D1655, Def Stan 91-091, JIG AFQRJOS (jet fuel)
 - ASTM D975 (diesel fuel oils)
 - ASTM D7467, EN14214, EN16896 (biodiesel blends)
 - ASTM D396, ASTM D6823, ASTM D7666 (fuel oils)
- Requiring as little as 1.5 mL of sample and solvent per measurement, saving solvent purchase and disposal cost
- Cooling down to -20 °C without external counter cooling
- Fast heating and cooling rates (up to 20 °C/min)
- Reduction of workload thanks to automated filling and cleaning with Xsample 340



Technical data

Viscosity range	0.2 mm ² /s to 30 000 mm ² /s
Temperature range	-60 °C to +100 °C
Density range	0.6 g/cm ³ to 3 g/cm ³
Solvent volume (min.)	1.5 mL
Viscosity repeatability	0.1 %*
Cloud point repeatability*	<0.5 °C
Cloud point reproducibility*	<2.5 °C
Freeze point repeatability*	<0.5 °C
Freeze point reproducibility*	<1.3 °C

*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.

Your distributor: