RHEOTEK JET & DIESEL KV

Automatic Kinematic Viscometer
Suitable for determining the kinematic viscosity of jet fuels and diesel fuels

Fully integrated *kinematic viscosity* analyzer

User friendly interface

Fully compliant with ASTM D445

Independent calibration to ISO 17025

Automatic "in-situ" cleaning

Patent pending

www.rheotek.com

JET & DIESEL KV

The PSL-RHEOTEK JET & DIESEL KV Viscometer provides a reliable and precise method for measuring aviation turbine fuels at -20ºC and diesel fuels at +40ºC.

Automatic flow time measurements are conducted in standard, high precison ASTM Ubbelohde viscometer tubes.

Reported kinematic viscosity results are in full compliance with ASTM D445, IP 71 & ISO 3104.

The JET & DIESEL KV was developed by Poulten Selfe & Lee Ltd in response to the industry desire for a simple, time saving solution to automating the kinematic viscosity measurement of jet and diesel fuels.

The JET & DIESEL KV Analyzer can be configured with one or two temperature measuring cells.

Other options are available for measuring other petroleum products.

World leaders In Viscosity Measurement

The PSL-RHEOTEK range of instruments are manufactured in the United Kingdom by Poulten Selfe and Lee Ltd.

Poulten, Selfe & Lee Ltd. (PSL) was established in 1850. For more than 60 years the company has been specializing in viscosity measurement. PSL's high precision glass capillary viscometers are used worldwide for manual and automated viscosity measurement.

All glass capillary viscometers are hand made by PSL's highly skilled glass blowing department and calibrated by the in-house ISO 17025 accredited laboratory.

Over the past decade, the company has developed a complete range of high precision automated viscometers. These are used in a wide range of industries such as petrochemical, polymer, pulp and pharmaceutical.

The company's USA operations are based in Kentucky. RHEOTEK USA Inc. provides sales, service and applications support to customers throughout the USA, Canada and Mexico.

Worldwide, the RHEOTEK range of instruments are sold and serviced by a network of authorized sales agents.

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psl rheotek

60 years of experience in Capillary Viscometry

Technical

JET & DIESEL KV Specifications	
Kinematic Viscosity Analyzer	Fully integrated with sub-zero viscometer bath cell, internal cooling, color touch screen & printer.
Test Methods	ASTM D445, ASTM D446, ASTM D2532, ASTM IP71, ISO 3104, 3105.
Temperature range	-40ºC to +40ºC
Nominal kinematic viscosity range	1 to 20,000 mm²/s, cSt (at -40ºC)
Flow time precision	0.001 seconds.
Sample volume	12 – 15 ml
Bath volume (per cell)	2 litres
Sample induction	Pour or pipette.
Display Screen	Full color high resolution touch sensitive display panel
Printer	Built in thermal printer.
Cleaning & drying	Automatic in-situ cleaning with two solvents. Option for third solvent if required.
User interface	Virtual keyboard, dashboard & result database.
Communications	LIMS port.
Data retrieval	2 x USB ports.
Electrical	230V AC (/50Hz), 115V AC (60Hz).
Dimensions (W x L X H)	72 x 64 x 65 cm (single bath cell).
Weight (single bath cell)	76 kg.

Ordering Information	
JV2001S	JET & DIESEL KV Analyzer - Automatic Kinematic Viscometer Analyzer – includes touch screen control, **one sub zero bath cell module, internal cooling and one measuring position.**
JV2002S	JET & DIESEL KV Analyzer DUAL - Automatic Kinematic Viscometer Analyzer – includes touch screen control, **two sub zero bath cell modules, internal cooling and two measuring positions**

Accessories
A full range of accessories are available including: bath fluids, ASTM Ubbelohde viscometers & viscosity reference standards