NL 225

Filter Plugging Tendency

ASTM D2068, ASTM D6426, IP 387

This test method is applicable to fuels within the viscosity range of 1.50 to 6.00 mm²/s (cSt) at 40°C. Test range 1.0-30 (FBT/FPT). Filterability of middle distillate fuel oils within the viscosity range from 1.70 to 6.20 mm²/s (cSt) at 40°C. Test range100-1(F-QF).

Features

- Bench top analyser
- Integrated cooling system equipped with Peltier module
- Working temperature up to 0°C
- Measuring device complete with support for filter, Beakers, PT100 sensor Class A, level sensor, pressure gauge, tubes and joints
- Micro Pump
- Managed by a Touch Screen Panel PC by means of the Lab-Link software running in Windows ambient
- Bath made in aluminium

Measuring Principle

A sample of the fuel to be tested is passed at a constant rate of flow (20 mL/min) through a glass fiber filter medium. The pressure drop across the filter is monitored during the passage of a fixed volume of test fuel. If a prescribed maximum pressure drop is reached before the total volume of fuel is filtered, the actual volume of fuel filtered at the time of maximum pressure drop is recorded and used to obtain the automatic calculation result. Otherwise if the prescribe volume is filtered without reach the 105kPa pressure, the maximal pressure during the test is recorded and used to obtain the result.

Software

- Automatic calculation of FBT/FTP and / or F-QF
- User friendly interface
- Real time display of all the analytical parameters
- Storage of all the analysis
- Storage of the results in Excel® format
- Display of the graphic
- Printable results

Specifications	
Measuring range	-50°C...+80°C
Bath temperature	10°C ... +40°C
Pump flow rate	20 ml/min
Pressure sensor	0 to 210 KPa
Level sensor	0 ... 300 ml
Power	220V ± 15% / 50 to 60 Hz 115V ± 15% / 60 Hz
Dimensions (WxDxH)	48 x 30 x 52 cm
Weight	27 kg

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