LEMIS process

VM-300

Dynamic Viscosity measurements in seconds

Robust design

Simple operation

Maintenance free

PORTABLE / LABORATORY VISCOMETER

IN PROCESS TO EXCELLENCE

Specifications

Applications

- Transformer oil
- Crude oil
- Hydraulic oi and lubricantsl
- Diesel engine oil
- Gears and fuel oils
- Fuel delivery systems and heating
- Out-of-spec fuel detecting systems

Advantages

- Direct dynamic viscosity measurement
- Automatic temperature compensation
- Rigorous factory calibration and testing
- Small and compact
- Maintenance free

Dynamic Viscosity Range	0.2 to 2000 mPa·s (0.2 to 2000 cP)
Dynamic Viscosity Accuracy	±1% of span
Temperature Range	0°C to +50°C (+32°F to +122°F)
Temperature Accuracy	±0.1°C (±0.2°F)
Data Handling	Back lighted LCD 4 x 20
Ambient Temperature Range	+10°C to +40°C (+50°F to +104°F)
Sensor Material	Stainless steel 316L; Ni-Span C; Hastelloy C22
Power Supply	110-220V AC
Data Transfer	Bluetooth
Quality Assurance	ISO 9001:2000
Factory Calibration	Calibration certificates supplied as standard
CE Mark	Compliant EN 61326 ; EN5011 ; EN 50082-2
Housing Dimensions (L x W x H)	140 x 100 x 290 mm (5.5 x 3.9 x 11.4 in)
Weight	approx. 2 kg (approx. 4.4 lb)

Principle of operation

VM-300 is a fully automated portable/laboratory Viscometer. It offers highly accurate Dynamic Viscosity measurements in seconds. Resonant technology applied in VM-300 is based on the changes of the sensitive element (resonant tube) in measured liquid. Proven resonance technology perform stabile measurements and can be used for very viscous liquids. Robust design of the VM-300 provide measurements in field conditions.

Viscosity is the most important oil characteristic. Dynamic viscosity can increase or decrease as a result of contamination, fuel dilution, shear thinning, water-oil emulsion presence, etc. Therefore viscosity is extremely important for out-of-spec fuel detection, equipment`s damage prevention and quality determination of large range of products like hydraulic oil and lubricants, transformer oil, etc.

Data transmission to PC or portable printer via Bluetooth connection

For more information please visit www.lemis-process.com

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

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