



**Kinematic
viscosity**

**Dynamic
viscosity**

Density

PORTABLE / LABORATORY VISCOMETER

IN PROCESS TO EXCELLENCE



Data transmission to PC or portable printer via Bluetooth connection

Specifications

Dynamic Viscosity Range	0 to 2000 mPa·s (0 to 2000 cP)
Dynamic Viscosity Accuracy	±1% of span
Density Range	0 to 3 g/cm ³
Density Accuracy	±0.0002 g/cm ³ ±0.0005 g/cm ³ ±0.001 g/cm ³
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
Viscosity Effect	Automatically compensated
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)

Applications

- Transformer oil
- Hydraulic oil and lubricants
- Crude oil
- Gears and fuel oil
- Food & Beverages
- Fuel delivery systems and heating
- Diesel engine oil
- Out-of-spec fuel detection
- Contamination detection

Advantages

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

An accurate combination

VDM-300 is a unique combination of Viscometer and Density meter. Resonance technology based on the changes of frequency of the sensitive element (resonant tube) in the measured liquid allows to receive highly accurate dynamic viscosity measurements in seconds. The oscillation period of the resonant tube mainly depends on viscosity and density of the measured liquid. VDM-300 measure simultaneously dynamic viscosity and real density to calculate kinematic viscosity of the sample.

Viscosity is a critical characteristic of large range of products such as fuel and lubricating oils. Viscosity monitoring is a way to prevent equipment's damages, control fuel, lubricating oil and other liquids quality. In other words VDM-300 is the best way to protect your investment!

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



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