



VDM-300

ViscoDens 
Heat

Kinematic Viscometer



Kinematic
Viscosity

Dynamic
Viscosity

Density

- Correlation to ASTM D445, ISO 3104, IP71
- Temp. Range: to +100°C (212°F)
- Calculated:
 - ASTM D341;
 - CCAI;
 - CII;
 - ASTM D1250;
 - D15, D20,
 - SG60; API60

PORTABLE / LABORATORY HEATING VISCOMETER

IN PROCESS TO EXCELLENCE



Data transmission to PC or portable printer via Bluetooth connection

Specifications

Kinematic Viscosity Range	0.2 to 2000 mm ² /s (0.2 to 2000 cSt)
Kinematic Viscosity Accuracy	±1% (measured value)
Density Range	0.5 to 3 g/cm ³
Density Accuracy	±0.0002 g/cm ³ ±0.0005 g/cm ³ ±0.001 g/cm ³
Temperature Range	Up to +100°C (up to +212°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 9001:2015
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 Heat is a unique combination of Viscometer and Density meter and allows to heat sample in the necessary temperature range up to +100°C (+212°F). Device software calculates automatically other values according to standards ASTM D341, CCAI, CII, ASTM D1250. Resonance technology based on the changes of frequency of the sensitive element (resonant tube) in the measured liquid, allows to receive highly accurate kinematic viscosity measurements in seconds. 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 another words **VDM-300 Heat** is the best way to protect your investment!

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



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