Viscometer **VM-250**

PORTABLE VISCOMETER

VM-250.2

IN PROCESS TO EXCELLENCE

Specifications

Measuring range:
Dynamic Viscosity	Up to 2000 mPa·s (up to 2000 cP)
Temperature	-40… +85°C (-40... +185°F)

Accuracy:
Dynamic Viscosity	±1% of span
Temperautre	±0.1°C (±0.2°F) or ±0.2°C (±0.4°F)

Repeatability:
Dynamic Viscosity	±0,5% of span
Temperature	±0.1°C (±0.2°F)

Resolution:
Dynamic Viscosity	0.1 mPa·s (0.1 cP)
Temperature	0.01°C (0.02°F)
Ambient temperature	-40… +85°C (-40... +185°F)
Depth of submersion	Up to 30 meters (100 ft.)

Sensor:
Type	Vibrating element (Resonance principle)
Material	Stainless steel SS 316 L; NiSpan C; Hastelloy C22

Intrinsically safe:
Controller	ATEX II (2G) EEx ib [ia] IIB T4
Sensor	ATEX II 1G EEx ia IIB T4
Power supply	NiMH 3.6V-1500 mAh
Operating time without charging	Appr. 12 hours

Dimensions:
Level block with viscosity meter	420 x 245 x 140 mm (16.5 x 9.6 x 5.5"), 4 kg (8.8 lb)
Sensor	220 x ø45 mm (8.7 x ø1.7"), 1 kg (2.2 lb)
Controller	180 x 80 x 40 mm (7.1 x 3.2 x 1.6"), 0.6 kg (1.3 lb)
Temperature compensation	Automatic
Viscosity compensation	Automatic
Reporting formats	Dynamic viscosity in mPa·s or cP; temperature in °C or °F
Data handling	Backlighted LCD display (2x16) Local memory up to 2000 Build in Bluetooth for data transfer to printer or PC Optional Windows - based software

Advantages
- Direct viscosity measurement
- Record level viscosity and average per tank
- Automatic temperature compensation operation
- No sampling required
- ATEX Hazloc certifcation, IEC
- Record level of liquid
- At any depths up to 30 meters
- Local results storage and Bluetooth data
- Safe operation, low maintenance
- Rigid construction for heavy duty outdoor

Applications
- Viscosity and Temperature profile in storage tank
- Products consistency and adulteration check
- Viscosity control at outlets and delivery points
- In-tank blending and mixing control
- Food, milk and diary products
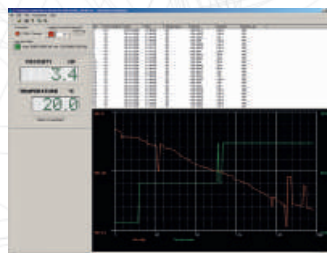- Petroleum products ,fuels, lubricants

Delivered in compact carrying case

CASE

Able to download the measurements to PC; Multifunctional software allows to proceed the measurements results in user-convenient form; Compatible for a Windows XP/Vista/7.

SOFTWARE

Immediate printout of the measurements; No need for PC.

BLUETOOTH PRINTER

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