



# PORTABLE VISCOMETER

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**VM-250.1**

***IN PROCESS TO EXCELLENCE***

# Specifications

## Measuring range:

Dynamic Viscosity	Up to 10000 mPa·s (cP)
Viscosity calibration	0,1-100 mPa·s (cP) 1-1000 mPa·s (cP) 10-10000 mPa·s (cP)
Temperature	-40... +85°C (-40... +185°F)

## Accuracy:

Dynamic Viscosity	±1% of span
Temperature	±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)

Ambient temperature -40... +85°C (-40... +185°F)

Depth of submersion Up to 6 meters (20 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:

Controller	180 x 80 x 40 mm (7.1 x 3.2 x 1.6"), 0.6 kg (1.3 lb)
Sensor	220 x ø42 mm (8.7 x ø1.7" ), 1 kg (2.2 lb)

Temperature 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 results  
Build in Bluetooth for data transfer to printer or PC  
Optional Windows - based software

Delivery Delivered in compact carrying case

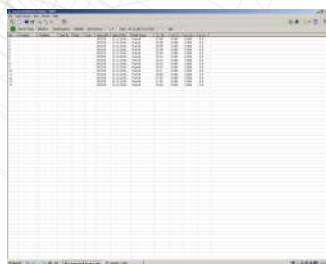
## Advantages

- Direct viscosity measurement
- Automatic temperature compensation operation
- No sampling required
- ATEX Hazloc certification, IEC
- At any depths up to 6 meters
- Safe operation, low maintenance
- Rigid construction for heavy duty outdoor
- Economical and easy to operate
- Local results storage and Bluetooth data transfer

## Applications

- Record spot Viscosity and average per tank
- Product consistency and adulteration check
- Viscosity control at outlets and delivery points
- In-tank blending and mixing control
- Food, milk and dairy products
- Petroleum products ,fuels, lubricants

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

Remote data transfer;  
Useful in field conditions;  
Software for data processing.



POCKET PC

**For more information please visit [www.lemis-process.com](http://www.lemis-process.com)**



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