



PORTABLE VISCOMETER

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:

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|-------------------|------------------------------------|
| Dynamic Viscosity | ±1% of span |
| Temperature | ±0.1°C (±0.2°F) or ±0.2°C (±0.4°F) |

Repeatability:

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

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|---------------------|------------------------------|
| Ambient temperature | -40... +85°C (-40... +185°F) |
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| Depth of submersion | Up to 6 meters (20 ft.) |
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Sensor:

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

Intrinsically safe:

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| Controller | ATEX II (2G) EEx ib [ia] IIB T4 |
| Sensor | ATEX II 1G EEx ia IIB T4 |

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| Power supply | NiMH 3.6V-1500 mAh |
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| Operating time without charging | Appr. 12 hours |
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Dimensions:

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| Controller | 180 x 80 x 40 mm (7.1 x 3.2 x 1.6"), 0.6 kg (1.3 lb) |
| Sensor | 220 x ø45 mm (8.7 x ø1.7"), 1 kg (2.2 lb) |

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| Temperature compensation | Automatic |
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|-------------------|---|
| Reporting formats | Dynamic viscosity in mPa·s or cP; temperature in °C or °F |
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| Data handling | Backlighted LCD display (2x16) Local memory up to 1980 results with date/time stamped Build in Bluetooth for data transfer to printer or PC Optional Windows - based software |
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| Delivery | Delivered in compact carrying case |
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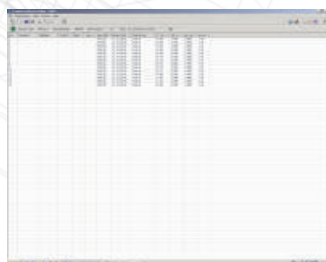
Advantages

- Direct viscosity measurement
- Record level viscosity and average per tank
- Automatic temperature compensation operation
- No sampling required
- ATEX Hazloc certification, IEC
- Record level of liquid
- At any depths up to 6 meters
- Local results storage and Bluetooth data
- Safe operation, low maintenance
- Rigid construction for heavy duty outdoor

Applications

- Spot viscosity or viscosity/level profile in storage tanks
- Products 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



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