



**DIGITAL PORTABLE
DENSITY METER
DM-250.5**

IN PROCESS TO EXCELLENCE

Specifications

Measuring range:	
Density	0... 3 g/cm ³ (0... 3000 kg/m ³)
Density Standard calibration	0.6... 1.1 g/cm ³ (600... 1100 kg/m ³)
Temperature	-30... +50°C (-22... +122°F)
Accuracy:	
Density	±0.0003 or ±0.0005 g/cm ³ (±0.3 or ±0.5 kg/m ³)
Temperature	±0.1°C (±0.2°F) or ±0.2°C (±0.4°F)
Repeatability:	
Density	±0.00015 or ±0.00025 g/cm ³ (±0.15 or ±0.25 kg/m ³)
Temperature	±0.1°C (±0.2°F)
Resolution:	
Density	0.0001 g/cm ³ (0.1 kg/m ³)
Temperature	0.01°C (0.02°F)
Supported measuring units	Real Density: g/cm ³ , kg/m ³ , lb/gal, lb/ft ³ ; API; SG Referred Density: at 15°C, 20°C, 60°F; API60; SG60 Tables ASTM D 1250 Alcohol Tables Temperature in °C or °F
Ambient temperature	-40... +50°C (-40... +185°F)
Probe	1000 ml
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
Electronic box:	
Material	Antistatic Polyamide base
Power supply	NiMH 3.6V-2500 mAh rechargeable battery
Operating time without charging	Appr. 40 hours
Dimensions, weight:	
Controller	210 x 130 mm (8.3 x 5.1")
Sensor	103 x ø45 mm (8.2 x ø1.7 in), 1 kg (2.2 lb)
Temperature compensation	Automatic
Viscosity compensation	Automatic
Data handling	OLED Display (2x12) with backlight Local memory up to 3000 results Build in Bluetooth for data transfer to printer or PC
Delivery	Delivered in compact carrying case

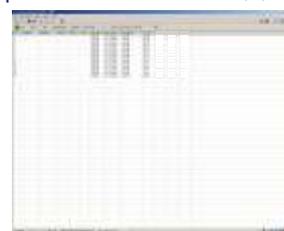
Advantages

- Direct density measurement
- Automatic temperature compensation
- ATEX, IEC Hazloc certification
- Safe operation, low maintenance
- Economical and easy to operate
- Measures highly viscous liquids up to 2000 cP
- Local results storage and Bluetooth data transfer

Applications

- Petroleum industry
- Ethanol production
- Food & Beverages
- Chemical industry
- Cosmetic industries
- Pharmaceutical industry

Able to download the measurements to PC; Multifunctional software allows to proceed the measurements results in user-convenient form; Compatible for a Windows Vista/7/8.*



Delivered in compact carrying case. Immediate printout of the measurements by Bluetooth; No need for PC.*



Close the probe and Measure



Easy to Operate: 3 Steps to measure



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



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