



**FOR LIQUEFIED PETROLEUM
GASES**

Excellent
correlation to
ASTM D1657

Readings on
LCD

Easy to
operate

Data transfer
to PC

PORTABLE / LABORATORY DENSITY METER

➔ *Real/Referred Density* ➔ *Temperature* ➔ *Concentration*

TIME-PROVED TECHNOLOGY

Small sample
volume

Specifications

Ranges:	Density, g/cm ³ (kg/m ³)	0.475...0.700 (475.0...700.0)
	Temperature, °C (°F)	-30...+50 (-22...+122)
Accuracy:	Density, g/cm ³ (kg/m ³)	±0.0005 (±0.5)
	Temperature, °C (°F)	±0.2 (±0.4)
Resolution:	Density, g/cm ³ (kg/m ³)	0.0001 (0.1)
	Temperature, °C (°F)	0.01 (0.02)
Max. operating range, B (MPa)		16 (1.6)
Testing pressure, B (MPa)		25 (2.5)
Sample volume (ml), any more		250
Dimensions:	Density meter, mm (in)	245 x 225 x 120 (9.7 x 8.9 x 4.7)
L x W x H	Transducer, mm (in)	180 x 85 x 40 (7.1 x 3.4 x 1.6)
Weight:	Density meter, kg (lb)	5.5 (12.1)
	Transducer, kg (lb)	0.7 (1.5)
Weather rating:	Density meter	IP65
	Transducer	IP65
Connections		Nipple Ø6 mm; other connection is customized
Process temperature, °C (°F)		-30...+40 (-22...+104)
Battery		NiMH-accumulator 3,6V - 1500 mAh
Continuous operating time		No less than 10 hours

Applications

- LPG filling stations
- LPG transfer fiscal
- LPG storage
- Petroleum industry
- Concentration control at outlets and delivery points

Advantages

- Direct density measurement
- Automatic temperature compensation
- Rigorous factory calibration and testing
- Small and compact
- Maintenance free

Principle of operation

The operating principle is resonant method (vibration element) of measurement. It is based on the changing of frequency characteristics of the sensitive unit and resistance of the built-in temperature sensor in dependence of characteristics of the measured liquid.

Resonant tube technology implemented in LPGDi density meter achieves higher accuracy and stability of the measurements.

Design of the device considerably simplifies sampling and sample preparing procedure. Readings on the LCD facilitate measuring process and eliminate eventual human error. WINDOWS based Software allows necessary data processing and simplifies operation for personnel.



Data transmission to PC or portable printer via Bluetooth connection

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



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