



IN-FLOW GAS DENSITY METER

DC-60

ADVANTAGES

- Direct gas density measurement in pipeline
- Automatic temperature compensation
- Increased safety level
- ATEX Hazardous area certification
- Easy installation, low maintenance

APPLICATIONS

- Natural gas custody transfer
- Gas blending
- Gas quality checking

IN PROCESS TO EXCELLENCE

Specifications

DC-60

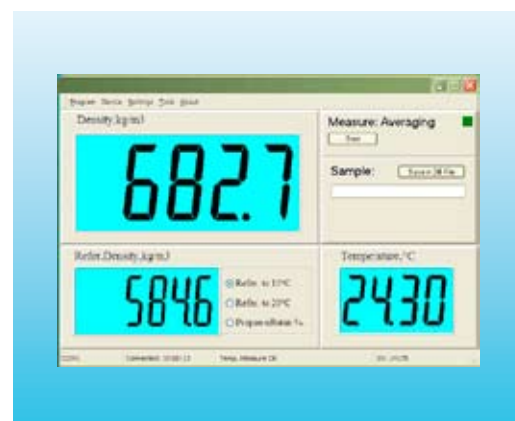
Operating principle	Resonant frequency vibration
Density range	0...400 kg/m ³
Temperature range	-40°C to + 85°C
Accuracy:	
Density	0.15%
Temperature	±0.3°C
Density Resolution	0.1 kg/m ³
Density Repeatability	±0.1 kg/m ³
Contact Surface Material	Stainless Steel
Environmental protection	IP68
Power supply	From 6.5 to 15 VDC
Safety approval	ATEX II 1 G Ex ia IIC T5
Quality Assurance	ISO 9001:2000
Maximum operating pressure	150 bar
Data Transfer	RS485 or LCD display
Dimensions:	
Height	230 mm
Width	140 mm
Weight	4 kg



DC-60 Density Meter is another instrument of LEMIS process DC series instruments, designed for accurate, continuous monitoring of the technological process. High-accuracy density data for natural gas mixtures are required in entire range of pressure, temperature and compositions encountered in custody transfer. DC-60 provides a continuous monitoring of density and temperature of natural gas in the flow. The gas is passed over the cylinder tube resonance sensor vibrating at its natural frequency. The mass of gas in contact with the vibrating walls vibrates with the cylinder. Depends upon the gas density and, since increasing the vibrating mass decreases the natural frequency of vibration, the gas density is simply determined by measuring the change in sensor resonant frequency. This measurement method provides precise gas density values in seconds.

SOFTWARE:

- WINDOWS based software;
- Unlimited data storage;
- Control of the values (Density, Temperature);
- Allows entering of additional information (site name, date, etc.);
- Alarm option;
- Convenient form of report for printing.



For more information, please, visit LEMIS process web site!

www.lemis-process.com



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