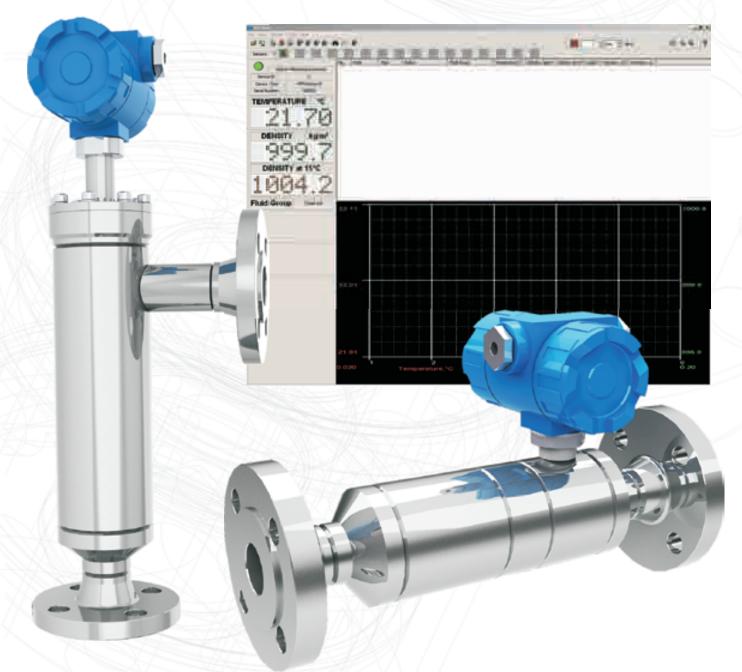


50 SERIES



DENSITY & CONCENTRATION METER

DC-50 S

for Spirit Products

IN PROCESS TO EXCELLENCE

Specifications

Measuring calibration range:	
Density	0.75 1 g/cm³ (750 1000 kg/m³)
Concentration	0 - 100%
Temperature	-40 +50°C (-40 +122°F)
Accuracy:	
Density	Up to ±0.0001 g/cm³ (up to ±0.1 kg/m³)
Concentration	±0.1%
Temperature	±0.1°C (±0.2°F)
Resolution:	
Density	0.0001 g/cm³ (0.1 kg/m³)
Concentration	±0.01%
Temperature	0.01°C (0.02°F)
	NPT 1/2", 3/4", 1"
Process connection	ANSI 1/2", 1", 2", 3", 4"
	DN 10, 15, 25, 50, 80, 100
Operating pressure	Up to 100 Bar (up to 1450 psi)
Supported measuring units	Alcohol tables for IR 22 OIML
	Temperature in °C or °F
Ambient temperature	-40 +50°C (-40 +122°F)
Weather rating	IP68 for sensor and IP65 for other parts
Power voltage:	
Device	110-230V AC (50-60 Hz) or 24V DC (16-28V DC)
Sensor	6-14V DC (30 mA)
Implosion protection marking	ATEX II 1/2G Ex ia IIB T4; IECEx Ex ia IIB T4 Ga /Gb; CCE
Digital output	Standard: RS485, Modbus; user choice of signals and protocol
Analog output	4-20 mA, up to 3 channels
Temperature compensation	Automatic
Viscosity compensation	Automatic
Factory calibration	Calibration certificates supplied as standard

DC-50S S-type



DC-50S G-type



Advantages

- Continuous measurements
- High accuracy
- Simple installation
- · Safe operation, low maintenance
- Easy cleaning
- Rigorous factory testing
- Compact design
- Automatic viscosity/temperature compensation

Applications

- · Spirits; Alcoholics products
- Process monitoring and control
- Custody transfer

Software

- Receiving of density and temperature values from Terminal Box via cable
- Calculating of relative/referred density and alcohol strength (% vol) of product on the base of built-in tables
- · Various formats for data reading
- Storage of the measured and calculated values in the database tables
- Conversation of the database tables to EXCEL format and printing the results
- Up to 16 sensors monitoring (another sensors quantity is optional)



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



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