

40 SERIES

DC-40 - Denisty Meter

DC-41 - Viscosity Meter

DC-42 - Denisty & Viscosity

DC-43 - GAS Density Meter

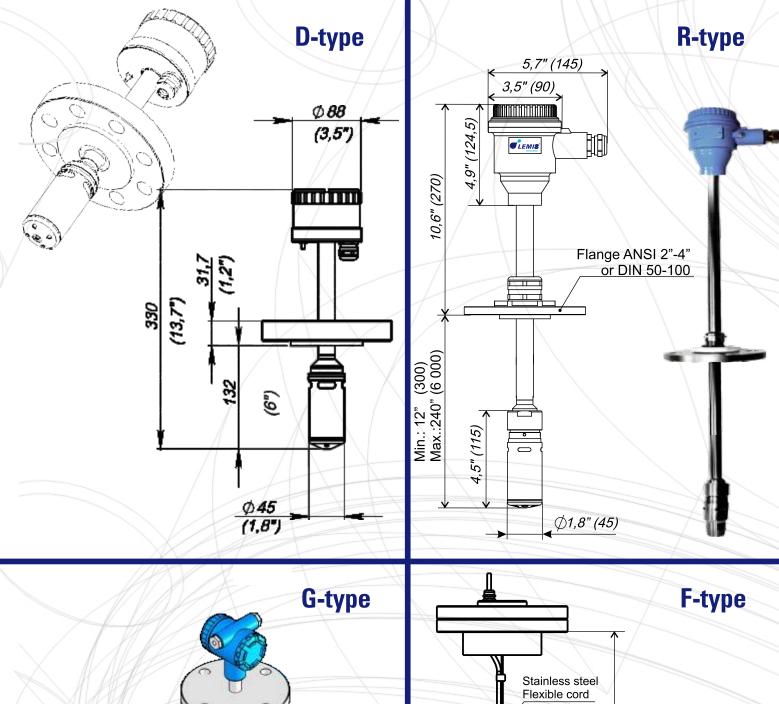


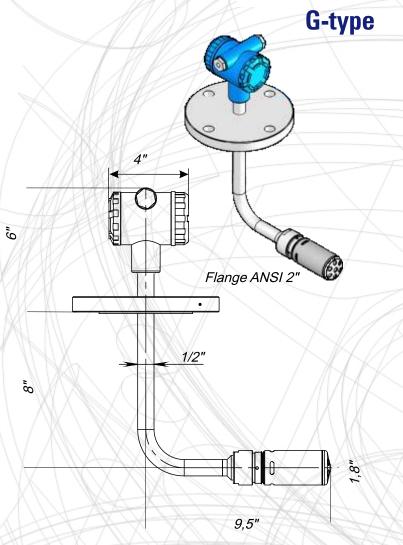


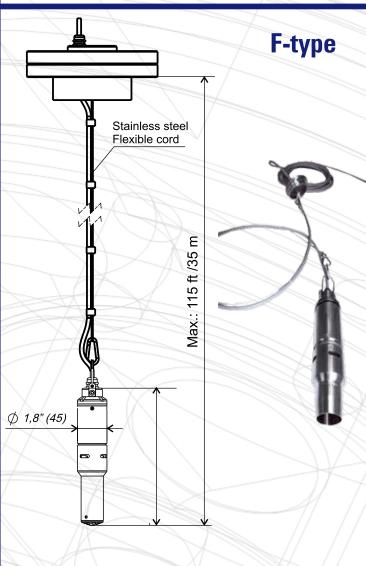
DENSITY METER

DC-40

IN PROCESS TO EXCELLENCE







Specifications

| Measuring range: | |
|------------------------------|---|
| Density | 0 3 g/cm ³ (0 3000 kg/m ³) |
| Density for GAS | 0 0.4 g/cm ³ (0 400 kg/m ³) |
| Density Standard calibration | 0.6 1.2 g/cm ³ (600 1200 kg/m ³) |
| Temperature | -200 +200°C (-328 +392°F) |
| Accuracy: | Harton 0 0001 ar/s = 2 from to 10.1 from from 2) |
| Density | Up to ±0.0001 g/cm ³ (up to ±0.1 kg/m ³) ±0.1°C (±0.2°F) or ±0.2°C (±0.4°F) |
| Temperature | 10.1 6 (10.2 1) 61 10.2 6 (10.4 1) |
| Repeatability: Density | Up to ±0.00002 g/cm ³ (up to ±0.02 kg/m ³) |
| Temperature | ±0.1°C (±0.2°F) |
| Resolution: | 25.1 6(22.12.1) |
| Density | 0.0001 g/cm³ (0.1 kg/m³) |
| Temperature | 0.01°C (0.02°F) |
| | Real Density: g/cm³, kg/m³, lb/gal, lb/ft³; API; SG |
| | Referred Density: at 15°C, 20°C, 60°F; API60; SG60 |
| Supported measuring units | Tables ASTM D 1250 |
| / / | Temperature in °C or °F |
| | Alcohol tables |
| Temperature compensation | Automatic |
| Viscosity compensation | Automatic |
| Maximum Pressure | 100 bar (10 MPa) |
| Installation types: | |
| D-type | Direct insertion |
| R-type | Long rigid immersion |
| F-type | Flexible |
| Process Connections | Large selection of flanges available |
| Ambient temperature | -40 +85°C (-40 +185°F) |
| Weather rating | IP67 for sensor |
| Materials: | |
| Sensor | Stainless steel SS 316 L; NiSpan C; Hastelloy C22; Teflon; Titanium |
| Other Wetted Parts | Stainless steel SS316 L or Hastelloy C22 |
| Electronics Housing | Aluminum, blue epoxy finish |
| Electrical Connections | Screw terminals; Cable entry: 2 x 3/4" NPT |
| Power supply | 6-12 VDC 30 mA (60 mA pick) |
| Output: | X 1/1/1/2-FA |
| Sensor | Line density and temperature digital signals |
| Analog | Up to 3x isolated 4-20 mA, direct or reverse-acting, configurable |
| Digital | Standard: RS485, Modbus; user choice of signals and protocols |
| Factory calibration | Calibration certificates supplied as standard |
| CE mark | Compliant EN 61326; EN 5011; EN 50082-2 |
| Implosion protection marking | ATEX II 1/2G Ex ia IIB T4; IECEx Ex ia IIB T4 Ga /Gb; CCE |
| | XXX IIIX X |

APPLICATIONS

- Density, temperature and concentration monitoring in storage tanks
- Petroleum products, fuels, lubricants, LPG, LNG
- Concentrations of acids or corrosive chemical
- Food, Dairy & Beverages
- Product identification and consistency
- Concentration and dilution measurement
- Monitoring of reaction end in reactors
- In-tank mixing and blending

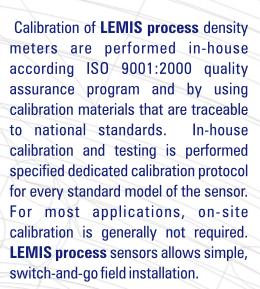
ADVANTAGES

- Continuous, online density monitoring at process conditions
- Accurately measures density of liquids with viscosity up 2000 cSt
- Rigorous factory calibration and testing of the transducer
- Can operate in pressurized tanks
- Immersion in the tanks up to 30 meters
- No moving parts, virtually maintenance-free system
- We also can tune system specification for your specific requirements
- Hazardous area approvals
- Insensitive to liquid level, mix or turbulence
- Large offer of standard product configurations and installation available

Able to connect device to PC; Multifunctional software allows to proceed the measurements results in user-convenient form; Compatible for a Windows XP/Vista/7/8/10.











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



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