FEATURES
- Low Cost Loop Powered, 4-20 mAdc Output
- Integral Transmitter with Dual Compartment Housing
- Solid State, Microprocessor Based - No Moving Parts
- Complete Digital Calibration - Eliminates Analog Pots
- External Magnet Calibration - No Need to Open Case
- Partial Fill Tank Calibration - 2 Points With Only Partial Fill
- Explosion Proof Enclosure, Intrinsically Safe Probes
- Rugged Probe Designs
- Eliminates Explosion Proof Conduit Seal Requirement

OPTIONS
- Remote Mounting up to 200 Ft. / 61 m
- External Power Supply / Field Indicators
- Variety of Probes Available
- 316L SS Dual Compartment Housing

APPLICATIONS
- Finished Goods with Stable Dielectric
- Interface Measurement
- Slurries
- Open Channel flow
- Foams

Conductive Products
- Non-Conductive Products
- Organic
- Inorganic
- High or Low Level Alarm

Special Applications:
- High Temperature
- Corrosive Environments
- High Pressure
- Special Probe Materials

SPECIFICATIONS

Electronic Transmitter

Housing
- Explosion Proof Powder Coated Cast Aluminum, Dual Compartment

Accuracy
- ±0.25% full scale, 5 to 150°F / -15 to 65°C

Linearity
- ±0.25% full scale

Minimum Dielectric
- 1.7

Sensitivity
- 50 to 10,000 pf

Static Protection
- Maximum Surge Current: 100 Amps

Remote Mounting
- Up to 200 ft. / 61 m

Input Power
- 10 to 36 VDC (17 to 30 VDC with FMX Option)

Output Signal
- 4 – 20 madc

Max Load Resistance
- \( R_{\text{max}} = \frac{(V_S - 10)}{0.021}, \{R_{\text{max}} = \frac{(V_S - 17)}{0.021} \text{ with FMX Option} \} \) where \( V_S = \) Input Power

Ambient Temp
- -40 to 170°F / -40 to 77°C

Reference SLG-0005-1 Table 1B for pressure / temperature ratings of probes

Approvals
- Factory Mutual System (FM) & Canadian Standards Association (CSA)
  - XP CLI, DIV1 & 2, ABCD, EIIIA, IIIB, EFG
  - I/0, AEExdIIC T6@ Ta = 77°C
  - I.S CLI, DIV1 & 2, ABCD, CLII, DIV1, EFG, CLII, DIV2, FG, CLIII
  - I/0, AEEXiaIIC T4@ Ta = 77°C
  - FM NEMA 4X
  - CSA Type 4X

GOST Russia: 0ExiaIIC T4, 1Exd[ia]IIC T6
CONTACT THE FACTORY FOR APPLICATIONS NOT COVERED ABOVE.

AVAILABLE ACCESSORIES

M20 ISO FITTING 

M20 Female Electrical Connection

TN 

3/4” NPT Teflon Mounting Nipple for Type R Probe only

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