

ENVIROMUX-ULT25IS

Intrinsically Safe Ultrasonic Level Sensor with 4-20 mA Output



With Class 1 Division 1 ratings, this loop-powered sensor is built to handle the most hazardous locations. Add the ability to internally calculate volume or open channel flow data, and you have a unique and powerful ultrasonic sensor.

Features

- Loop powered 4-20 mA output
- Class 1 Division 1, Intrinsically Safe rating
- Built-in calculations of current volume, flow, and flow totals

Performance

- Operating Range
 - 1 - 25 ft. (0.3 - 7.6 m) on liquids
 - 1 - 10 ft. (0.3 - 3 m) on solids
- Beam Pattern: 9° off axis
- Internal Temperature Compensation
- Frequency: 69 kHz
- Accuracy: ±0.25% of detected range
- Resolution: 0.1 in. (2.5 mm)
- Response Time: Dependent on output, ranges from 0.6 - 3 seconds

Connectivity

- Output: 4-20 mA (loop powered)
- Loop Resistance: 600 ohms @ 24 VDC
150 ohms @ 12 VDC

Environmental

- Ratings: IP65
- Operating Temp: -40° - 140°F (-40° - 60°C)

Certification

- Class 1, Div. 1, Groups C & D
- Class 1, Zone 0, AEx ia IIB, T3; IP65



Electrical

- Total Current Draw: 4-20 mA
- Supply Voltage: 12-28 VDC
- Wiring Connection: 2-conductor shielded cable

Programming

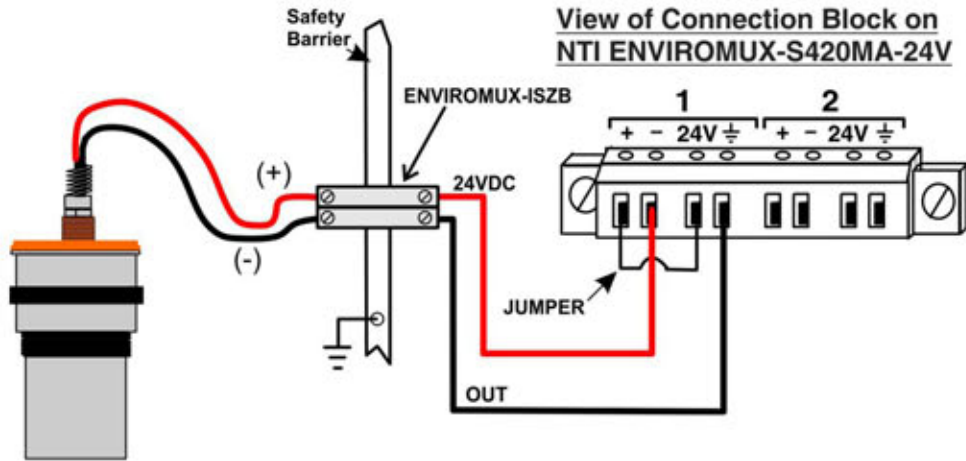
- Monitor with ENVIROMUX-16D/5D/2D Enterprise Environment Monitoring System through a connection to ENVIROMUX-S420MA-24V Sensor Converter (sold separately) with additional electrical safety provided by ENVIROMUX-ISZB Zener Barrier (sold separately).

Physical

- PVDF (Kynar®) transducer housing
- PC/PBT upper housing
- Transducer Type: Ceramic, PVDF faced

WIRING CONNECTIONS TO ENVIROMUX-xD

Wiring to ENVIROMUX-S420MA-24V



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