

IRU-2420 Self-Contained Ultrasonic Level Sensor



Liquid Level Sensor

The IRU-2420 series provides a non-contact method of detecting level, presence/absence detection, volume, proximity and distance. With built-in technology to compensate for unpredictable variables such as humidity, temperature and agitators, the IRU-2420 is an ideal sensor for many applications.

Features

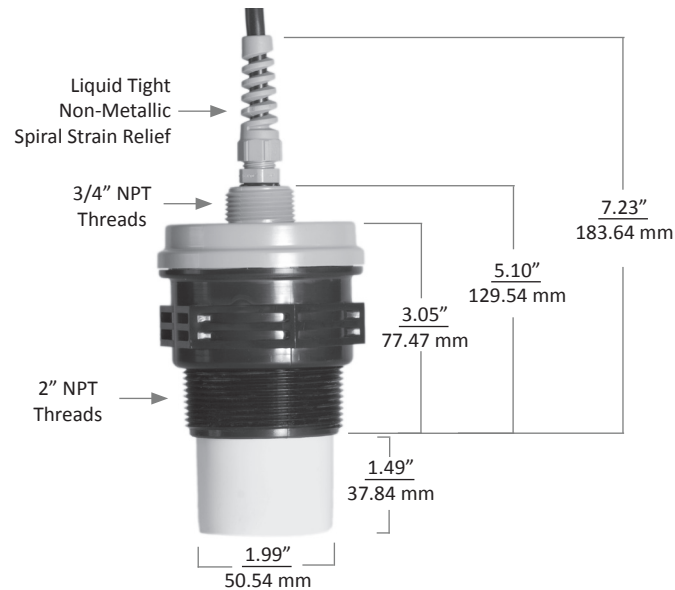
- AutoSense software for hassle-free setup
- Internal temperature compensation
- Operating range up to 25 feet

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IRU-2420 Specifications



Performance

- Operating Range
1 - 25 ft. (0.3 - 7.6 m)
- Beam Pattern: 90° off axis
- Internal Temperature Compensation
- Frequency: 69 kHz
- Accuracy: $\pm 0.25\%$ of detected range
- Resolution: 0.1 in. (2.5 mm)
- Response Time: Programmable (20 ms minimum)

Connectivity

- Output:
- 4-20 mA
600 ohms @ 24 VDC
150 ohms @ 12 VDC
 - 4-20 mA with (2) NPN outputs

Environmental

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

Electrical

- Total Current Draw: 75 mA @ 24 VDC
- Supply Voltage: 12-28 VDC
- Wiring Connection: 4 or 5 conductor shielded cable

Programming

- Interface with RST-3001/3002 Programmer (purchase separately - powered by USB)
 - The RST-3001 is 32 bit only
 - The RST-3002 is 32 and 64 bit compatible
- User selected units of measure

Physical

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

Certification

- Class 1, Div. 2, Groups A, B, C, D
- IP65