

# IRU-3430 Self-Contained Ultrasonic Level Sensor



## Liquid Level Sensor

The IRU-3430 series provides a non-contact method of detecting level, presence/absence, volume, proximity and distance. With built-in technology to compensate for unpredictable variables such as humidity, temperature and agitators, the IRU-3430 is an ideal sensor for many applications.

### Features

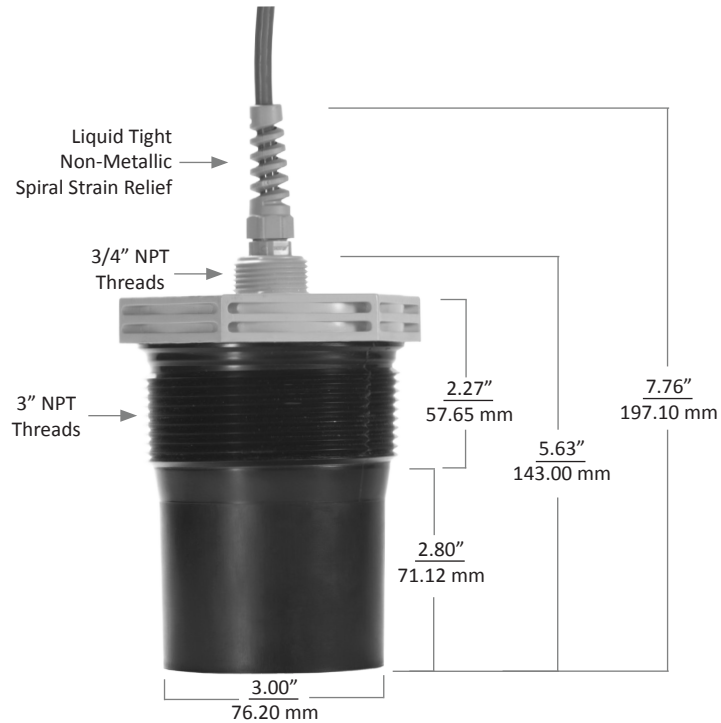
- AutoSense software for hassle-free setup
- Internal temperature compensation
- Operating range up to 50 feet

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# IRU-3430 Specifications



## Performance

- Operating Range  
1.25 - 50 ft. (0.4 - 15.2 m)
- Beam Pattern: 9° off axis
- Internal Temperature Compensation
- Frequency: 43 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
  - 4-20 mA with (2) NPN outputs

## Environmental

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

## Certification

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

## 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 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

- PC/PET upper housing
- PC/PET Blend Transducer