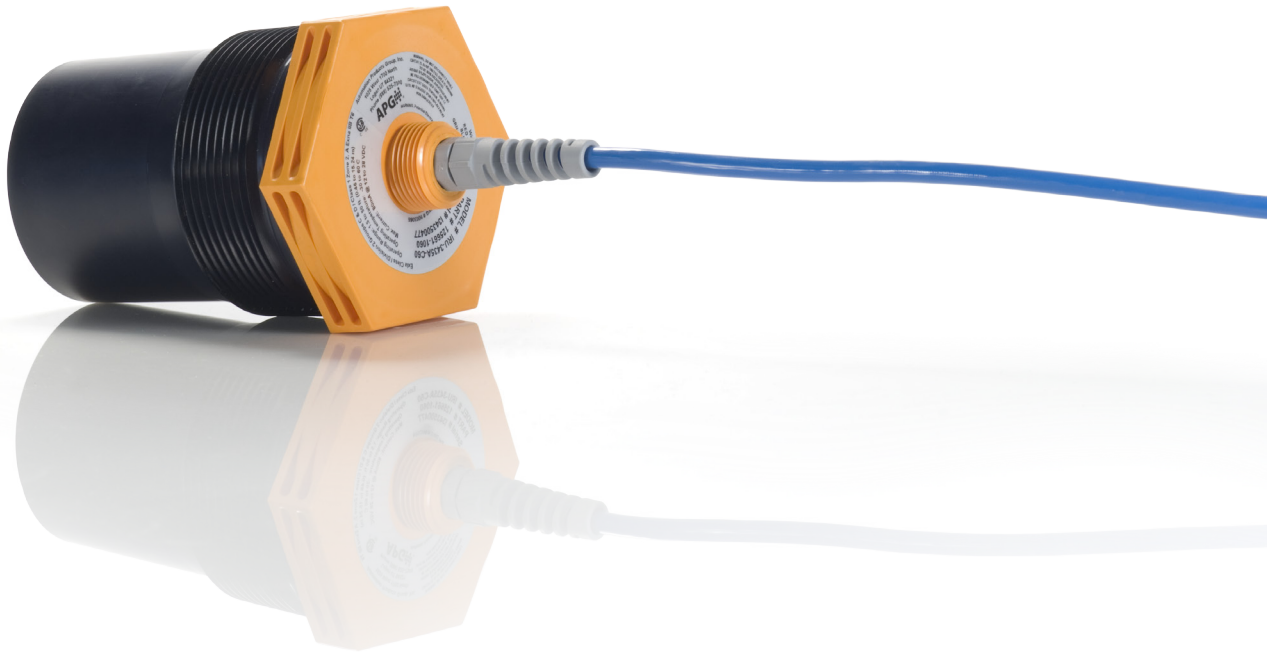


IRU-3430 Self Contained Ultrasonic Level Sensor



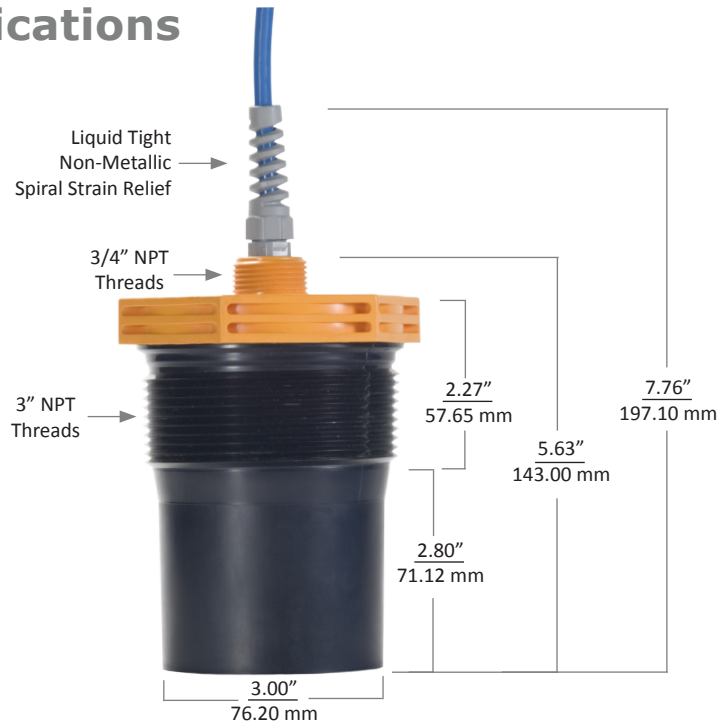
Flexible by Design

The IRU-3430 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-3430 is the right sensor for you application.

Features

- AutoSense Software for hassle-free setup
- Internal Temperature Compensation
- Works on solids and liquids

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)
 - The RST-3001 is powered by a USB port
 - The RST-3002 is 64 bit compatible
- User selected units of measure

Physical

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

Options

Part Number: IRU - 343 -
 A B

A. Output

- 3** 4-20 mA
- 5** 4-20 mA with (2) NPN outputs

B. Cable/Microconnector

- CL** Cable (Specify L=length in feet)
 Standard 6 feet of cable
- M** Micro Connector

IRU-3430 Accessories

Please order separately, by part number.

Description	Part Number
Over Molded Extension Cables with Foil Shield	
4 Conductor	
Straight, 2 m	135407-0002
Right Angle, 2 m	135407-1002
Straight, 5 m	135407-0005
Right Angle, 5 m	135407-1005
5 Conductor	
Straight, 2 m	135415-0002
Right Angle, 2 m	135415-1002
Straight, 5 m	135415-0005
Right Angle, 5 m	135415-1005
Programming Module	
RST-3001 (USB)	125389
RST-3002 (USB - 64 bit compatible)	125389-1000

