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: ±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.

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