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
IRU-2420 Specifications

Performance
- Operating Range: 1 - 25 ft. (0.3 - 7.6 m)
- Beam Pattern: 9º off axis
- Internal Temperature Compensation
- Frequency: 69 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
  - 600 ohms @ 24 VDC
  - 150 ohms @ 12 VDC
  - 4-20 mA with (2) NPN outputs

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

Environmental
- Ratings: IP65
- Operating Temp: -40º - 140ºF (-40º - 60ºC)

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