

LEVEL & LEAK DETECTION

ECHOPULSE® RADAR LEVEL TRANSMITTER LR15 SERIES



DESCRIPTION

The **Flowline EchoPulse® LR15 Series** 26 GHz radar transmitter provides continuous level measurement up to 98.42' (30 m) with a 4-20 mA signal output and is configured via its integral push button display menu. The **LR15 Series** non-contact liquid level sensor with stainless steel horn is ideally suited for high temperature or pressure level applications with water, wastewater, diluted chemicals and oils.

FEATURES

- **Continuous, non-contact level measurement for liquids, pulps and slurries**
- **Measurement not affected by wave action**
- **Max measurement range: 98.42' (30 m)**
- **Storage, recognition and deletion system for false echo signals**

NEW!



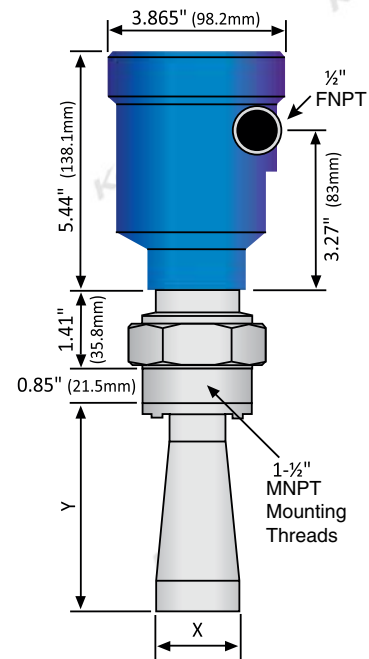
LR15



SPECIFICATIONS

| | |
|---------------------|---|
| Supply Voltage | 16 to 26 VDC @ 22.5 mA |
| Accuracy | ± 5 mm |
| Signal Output | 4-20 mA @ 461Ω (loop powered) |
| Frequency | 26 GHz |
| Fail Safe | 20.5 mA, 22 mA, or 3.9 mA |
| Deadband | 12" (30 cm) |
| Beam Angle | 8° - 2" (48 mm) horn 12° - 3" (78 mm) horn 8° - 4" (98 mm) horn |
| Range | 98.42' (30 m) |
| Integration Time | 0-40 sec, adjustable |
| Pressure | -14.5 to 580 psi |
| Process Temperature | -76° to 302°F (-60° to 150°C) |
| Ambient Temperature | -40° to 212°F (-40° to 100°C) |
| Relative Humidity | < 95% |
| Cable Connect | Standard 2-wire cable with outside diameter of 5-9mm |
| Cable Entrance | One cable entry 1/2" NPT, one binding 1/2" NPT |
| Antenna | 316 L |
| Flange | 316 L |
| Seal | Viton |
| Seal Ring | Silicone |
| Window | Polycarbonate |
| Ground Terminal | Stainless Steel |
| Enclosure | Aluminum, NEMA 4, IP67 |
| Approvals | cTUVus, FCC (Part 15.256), CE, GP, CRN Registered, RoHS |
| Weight | 4.41 lbs (2 Kg) |
| Warranty | 1 year |

DIMENSIONS



Antenna (Horn)

| P/N | X | Y |
|------|-----------|----------------|
| - 20 | 2" (48mm) | 5.51" (140mm) |
| - 30 | 3" (78mm) | 8.94" (227mm) |
| - 40 | 4" (98mm) | 11.34" (288mm) |

ORDERING INFORMATION

| MODEL | DESCRIPTION |
|---|---|
| LR15-001-20* | 98 ft range radar transmitter with 2" antenna |
| LR15-0010-30* | 98 ft range radar transmitter with 3" antenna |
| LR15-0010-40* | 98 ft range radar transmitter with 4" antenna |
| *Note: All have the same GP description | |