



LEVEL & LEAK DETECTION

ECHOPULSE® RADAR LEVEL TRANSMITTER LR20 SERIES

DESCRIPTION

The Flowline EchoPulse® LR20 Series 26 GHz radar transmitter provides continuous level measurement up to 65.6' (20 m) with a 4-20 mA signal output and is configured via its integral push button display menu. The LR20 Series non-contact liquid level sensor with PTFE coated stainless steel horn is ideally suited for liquid level applications of tall water tanks, sumps, aggressive chemicals, and higher temperature or pressure liquids.

FEATURES

- Loop powered 4-20 mA measurement output
- Continuous, non-contact level measurement for liquids, pulps and slurries
- Measurement not affected by wave action
- Max measurement range: 65.6' (20 m)
- Process pressure up to 70 psi
- Radar impulses 26 GHz
- Storage and recognition system for false echo signals

NEW!



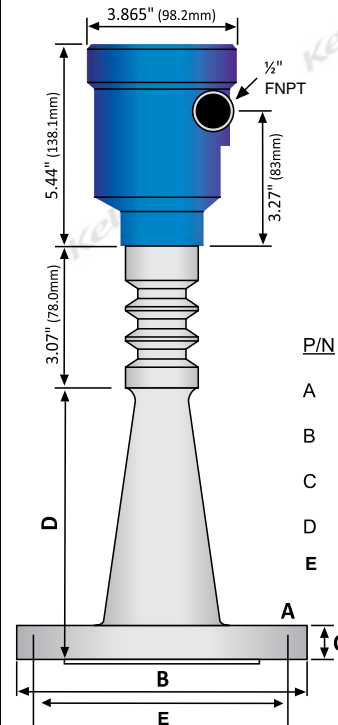
LR20



SPECIFICATIONS

Supply Voltage	16 to 26 VDC @ 22.5 mA
Accuracy	± 3 mm
Signal Output	4-20 mA (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	65.51' (20 m)
Integration Time	0-40 sec, adjustable
Pressure	-14.5 to 72.5 psi
Operating 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 w/ PTFE cover
Seal	Viton
Seal Ring	Silicone
Window	Polycarbonate
Ground Terminal	Stainless Steel
Enclosure	Aluminum
Approvals	cTUVus, FCC (Part 15.256), CE, GP, CRN Registered, RoHS
Weight	4.41 lbs (2 Kg)
Warranty	1 year

DIMENSIONS



P/N	Antenna / Flange	
	- 30	- 40
A	3" ANSI	4" ANSI
B	7.5" (190.5mm)	9.0" (228.6mm)
C	0.88" (22.3mm)	0.88" (22.3mm)
D	6.5" (165mm)	8.0" (203mm)
E	6" (152mm)	7.5" (191mm)

ORDERING INFORMATION

MODEL	DESCRIPTION
LR20-0310-30	65 ft range radar level transmitter with 3" mounting flange
LR20-0310-40	65 ft range radar level transmitter with 4" mounting flange

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