LR81-0000 Cut Sheet

Flowline EchoBeam frequency modulated continuous wave (FMCW) radar liquid or bulk solids level sensor, liquid 98.4ft/30m, solids 49.2ft/15m sensing range, 4–20 mA HART, 12–30 VDC, 1-1/2in male NPT process connection.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/LR81-0000

Technical Specifications

Brand	Flowline
Item	Level sensor
Series	EchoBeam
Sensor Type	Frequency modulated continuous wave (FMCW) radar
Media Type	Water, bulk solids, oil and chemicals
Mounting	Top or bottom
Process Temperature	-40 to +176 °F
Sensing Range	Liquid 98.4ft/30m, solids 49.2ft/15m
Output	4–20 mA HART
Communication Port and Connection Type(s)	Bluetooth
Port Speed(s)	BLE 802.15.1

Operating Voltage	12–30 VDC
Housing Size	2.87in diameter
Housing Material	Polyvinylidene fluoride (PVDF)
IP Rating	IP68
NEMA Rating	6P
Wetted Parts	Polyvinylidene fluoride (PVDF)
Process Connection	1-1/2in male NPT
Electrical Connection	1in male NPT with 32.8ft/10m cable
Requires	An Android or iOS device with Bluetooth connectivity and LevelTap App (free download from the Google Play Store and Apple App Store) for full sensor configuration

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	178551
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/2d/LR81-0000.pdf
See store item page for other formats.