LR85-0300 Cut Sheet

Flowline EchoBeam frequency modulated continuous wave (FMCW) radar liquid or bulk solids level sensor, liquid 393.7ft/120m, solids 196.8ft/60m sensing range, 4–20 mA HART, 12–30 VDC, LCD digital display with pushbuttons, 3in male NPT process connection.

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

https://www.automationdirect.com/pn/LR85-0300

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	Bottom
Process Temperature	-40 to +248 °F
Sensing Range	Liquid 393.7ft/120m, solids 196.8ft/60m
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	3.9in diameter
Housing Material	Polybutylene terephthalate (PBT)/polycarbonate
IP Rating	IP66 and IP67
NEMA Rating	4X
Wetted Parts	Perfluoroalkoxy (PFA)
Process Connection	3in male NPT
Electrical Connection	1/2in female NPT
Display Type	LCD digital display with pushbuttons
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. Sensor can also be configured with pushbuttons

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/LR85-0300.pdf
See store item page for other formats.