

# LR85-0330 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 ANSI flange process connection.

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



<https://www.automationdirect.com/pn/LR85-0330>

## Technical Specifications

<b>Brand</b>	Flowline
<b>Item</b>	Level sensor
<b>Series</b>	EchoBeam
<b>Sensor Type</b>	Frequency modulated continuous wave (FMCW) radar
<b>Media Type</b>	Water, bulk solids, oil and chemicals
<b>Mounting</b>	Bottom
<b>Process Temperature</b>	-40 to +248 °F
<b>Sensing Range</b>	Liquid 393.7ft/120m, solids 196.8ft/60m
<b>Output</b>	4–20 mA HART
<b>Communication Port and Connection Type(s)</b>	Bluetooth
<b>Port Speed(s)</b>	BLE 802.15.1
<b>Operating Voltage</b>	12–30 VDC

<b>Housing Size</b>	3.9in diameter
<b>Housing Material</b>	Polybutylene terephthalate (PBT)/polycarbonate
<b>IP Rating</b>	IP66 and IP67
<b>NEMA Rating</b>	4X
<b>Wetted Parts</b>	Perfluoroalkoxy (PFA)
<b>Process Connection</b>	3in ANSI flange
<b>Electrical Connection</b>	1/2in female NPT
<b>Display Type</b>	LCD digital display with pushbuttons
<b>Includes</b>	Mounting flange
<b>Requires</b>	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

<b>UL Listed File #</b>	None
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	178551
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/LR85-0330.pdf>  
See store item page for other formats.