

# DeltaSpan™ LD37

External Anti-Corrosion Pressure Liquid Level Transmitter



## Application

The LD37 general purpose anti-corrosion external mount pressure level transmitter provides continuous liquid level measurement up to 11.55' (3.4m) of water column with a 4-20 mA signal output. Offered in two termination types, select the -S\_01 model for cable termination or the -S\_11 model for M12 connector termination. The LD37 pressure level sensor is well suited for clean liquids compatible with PTFE such as acidic and caustic chemicals.



## Features

- Rugged PTFE transducer and threaded fitting mount with 316 SS body
- Offered in cable or connector termination for flexible installation
- Integral surge protection for lightning strikes or power surges
- Automatic temperature compensation for reliable measurement



## External Mount

The externally mounted pressure sensor provides a simple, low-cost, level measurement solution for metal tanks, and is easily installed via a 1/4" tee or tap fitting located in the tank's drain or inspection port.



## Compatible Products



LI23 Series

### DATA-LOOP™ LEVEL INDICATOR

The general purpose loop powered tank or silo level indicator displays engineering units connected in series with one 4-20 mA continuous level transmitter, and is available with two optional relays and an isolated 4-20 mA repeater. Select this panel mount indicator for use with general purpose two-wire level sensors.



LI55 Series

### DATA-VIEW™ LEVEL CONTROLLER

The general purpose AC or DC powered tank or silo level controller displays engineering units with one 4-20 mA level transmitter and is offered in three configurations with optional two or four programmable relays and an isolated 4-20 mA repeater. Each relay can be configured on a single set point as a high or low level alarm, or latched on two set points for automatic fill or empty control in simplex or duplex modes. Select this panel mount controller for use with general purpose two or three-wire level sensors.

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External Anti-Corrosion Pressure Liquid Level Transmitter

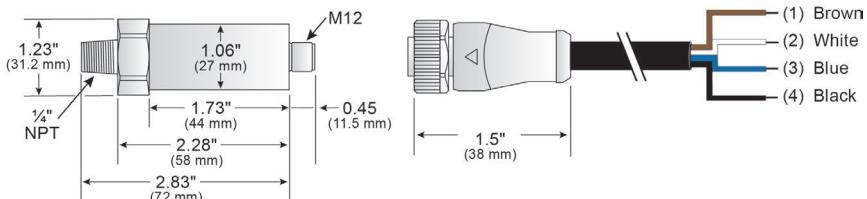


## Specifications

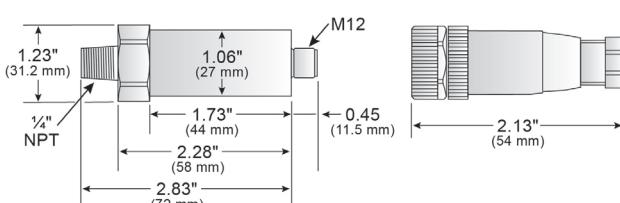
<b>Range:</b>	0 to 5 psi (0.34 bar) or 0 to 11.55' (0 to 3.5m) wc
<b>Accuracy:</b>	± 0.25% of full scale
<b>Configuration:</b>	None, fixed span
<b>Supply voltage:</b>	11 to 28 VDC
<b>Loop resistance:</b>	900 Ohms max @ 30 VDC
<b>Signal output:</b>	4-20 mA, two-wire
<b>Process temp.:</b>	F: 14° to 176° C: -10° to 80°
<b>Temp. comp.</b>	Automatic
<b>Burst pressure:</b>	2 x full scale
<b>Response time:</b>	50 ms
<b>Process mount:</b>	1/4" NPT
<b>Wetted material:</b>	PTFE (polytetrafluoroethylene)
<b>Sensor material:</b>	316 stainless steel
<b>Enclosure rating:</b>	NEMA 4X (IP65)
<b>Termination:</b>	-S_01: Cable -S_11: M12 connector (male)
<b>Cable type:</b>	-S_01: 2-conductor, shielded
<b>Cable material:</b>	-S_01: PUR (polyurethane)
<b>Cable length:</b>	-S_01: 9' (2.7m)
<b>Classification:</b>	General purpose
<b>Compliance:</b>	CE, RoHS

## Dimensions

### CABLE



### CONNECTOR



## Termination

Based on your part number selection, the sensor will come with either a 2.7m cable or female M12 connector accessory as shown below. These can also be purchased separately.



### P/N

**LD90-2230**

### DESCRIPTION

2.7m sensor cable with M12 female connector



**LD90-2200**

M12 female connector only with 4 terminals



## Ordering

**LD37-S**   1

### SENSOR RANGE (1)

0 5 psi (0.34 bar) / 11.55' (3.5m) wc

### TERMINATION (2)

0 Cable  
1 Connector

### NOTES

- 1) Select the appropriate sensor range based on your tank or liquid height.
- 2) Select the cable or connector termination accessory to be included with the sensor.