DeltaSpan™ LD30

External General Purpose Pressure Liquid Level Transmitter

FLOWLINE™ LEVEL BEST

Application

The LD30 general purpose external mount pressure level transmitter provides continuous liquid level measurement up to 34.65’ (10.5m) of water column with a 4-20 mA signal output. Offered in two level measurement ranges and termination types, select the -S_01 model for cable termination or the -S_11 model for M12 connector termination. The LD30 pressure level sensor is well suited for clean liquids compatible with 316 SS such as process water and diluted chemicals.

Features

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

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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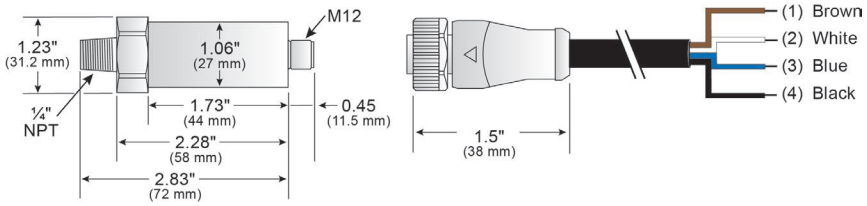
Specifications

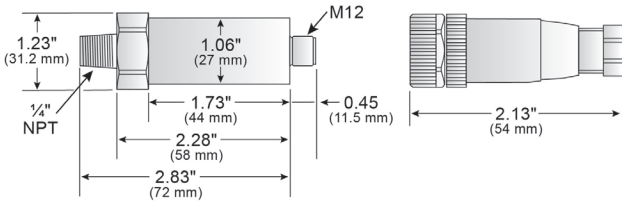
Range:	-S0_1: 0 to 5 psi (0.34 bar) or 0 to 11.55' (0 to 3.5m) wc
	-S2X1: 0 to 15 psi (1.0 bar) or 0 to 34.65' (0 to 10.6m) wc
Accuracy:	± 0.25% of full scale
Configuration:	None, fixed span
Supply voltage:	11 to 28 VDC
Loop resistance:	900 Ohms max @ 30 VDC
Signal output:	4-20 mA, two-wire
Process temp.:	F: 14° to 176°
	C: -10° to 80°
Temp. comp.:	Automatic
Burst pressure:	2 x full scale
Response time:	50ms
Process mount:	¼" NPT
Sensor material:	316 stainless steel
Enclosure rating:	NEMA 4X (IP65)
Termination:	-S_01: Cable
	-S_11: M12 connector (male)
Cable type:	-S_01: 4-conductor
Cable material:	-S_01: PUR (polyurethane)
Cable length:	-S_01: 9' (2.7m)
Weight:	0.55 lb. (0.25 kg)
Classification:	General purpose
Compliance:	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	DESCRIPTION
LD90-2230	2.7m sensor cable with M12 female connector
LD90-2200	M12 female connector only with 4 terminals

Ordering

LD30-S ☐ ☐ **1**

SENSOR RANGE (1)

- **0** 5 psi (0.34 bar) / 11.55' (3.5m) wc
- **2** 15 psi (1.0 bar) / 34.65' (10.6m) 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.