DLT 200

DISPLACER TYPE LEVEL TRANSMITTER

ELECTRONET

Features

- Two Wire Level Transmiter
- Digital Display
- Hall-effect based Design
- EMI / EMC Compliant
- Seismically Qualified

Description

Displacer type level transmitter (DLT 200) is based on Archimedes principle of buoyancy using displacer and Hall-effect technology. The unit consists of a displacer attached to a spring loaded shaft. According to change in liquid level, displacer moves in vertical direction due to change in buoyant force. Displacer movement with respect to change in liquid level is sensed using non-contact hall-effect sensor. Microcontroller convert the change in liquid level into corresponding 4 to 20 mA signal.

Technical Specifications

Type	Displacer type level transmitter
Transmitter Type	1) Local 2) Remote (3 mtr. max.)
Output-2-Wire-System	4-20mA with super imposed signal for HART protocol, digital communication
Supply Voltage	12.5 - 45 VDC
Signal Range	3.9mA - 20.8mA
Range of measurement	1) 100 - 3000 mm (Exact Range of Measurement to be specified)
	2) Higher range on request
Sensing technology	Hall-effect Sensor
Display Type	LCD Display
Display Visible Range	32.5 x 22.5mm
Main Display	5-Digit
Digit height	8 mm
Bar graph	51 Segments
Material of displacer element	1) SS-316 2) Other type on request
Material of Spring	1) Inconel 2) Other type on request
Material of Other Wetted Parts	1) SS-316 2) Other type on request
Material of Transmitter Housing	1) Die cast Alluminum 2) Stainless Steel 3) Other type on request
Process Connection	1) Flanged 2) Threaded 3) Socket Weld Note: Details to be specified.
Gasket Material	1) EPDM 2) Other type on request
Enclosure Class	Enclosure Class of Transmitter is IP 65. Higher on reqest
Accuracy (including repeatability error, Zero error, Drift error etc.)	+/- 1% of F.S
Insulation resistance	> 100 Mega - Ohms at 100 V DC at ambient conditions
Conduit connection	Suitable for passing 14mm OD Cable through conduit
Cable gland	Single Compression Cable gland made of Stainless Steel
Electrical termination	Terminal block suitable for terminations of core sizes 1.5 sq.mm
Accessories (Optional)	1) Perforated Type Stilling Well 2) External Chamber
Accessories Material	1) MS 2) SS-304 3) SS-316 4) Other type of request

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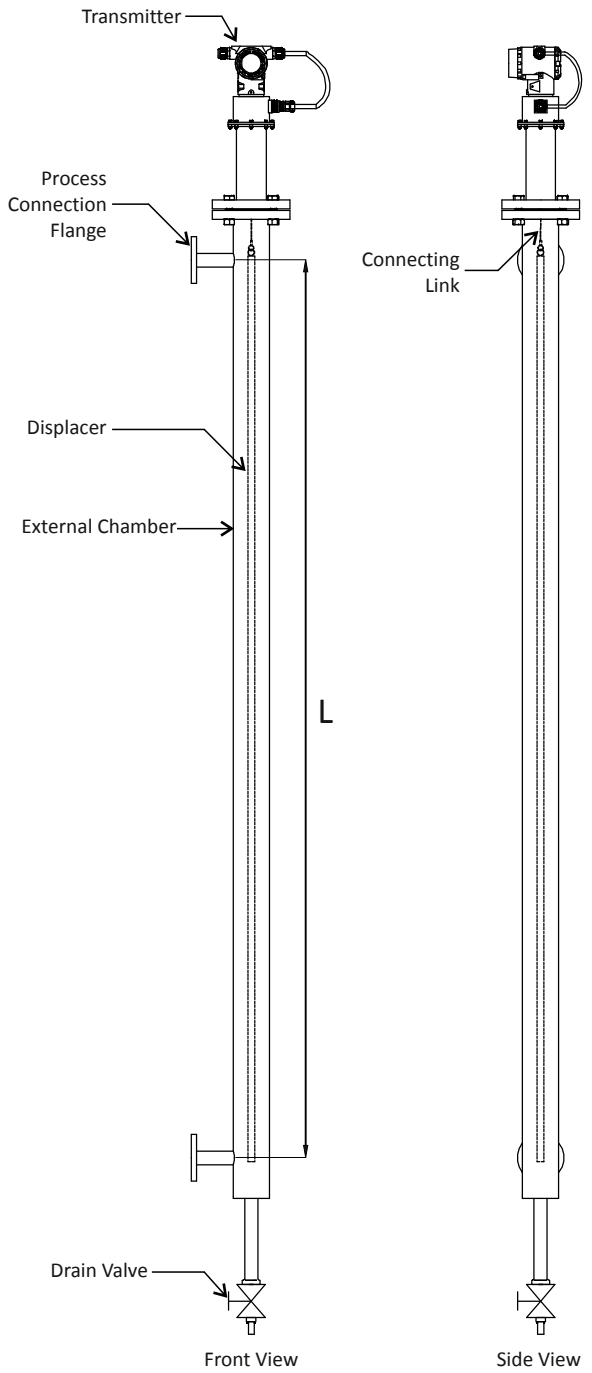
Assembly Overview



Ordering Information

Sample Order Code : DLT 200- A1-B1-C1-D1-E1-F1

	Parameter	Code	Description
A	Transmitter Type	A1	Local
		A2	Remote
B	MOC Electronics Enclosure	B1	Die Cast Aluminium
		B2	SS316
		BY	Other
C	Measuring Range	C1	100 mm
		C2	1000 mm
		C3	2000 mm
		C4	3000 mm
D	Material of Displacer Assembly	D1	SS316
		DY	Other
E	Process Connection	E1	2" Flanged
		E2	2 " BSP Threaded
		EY	Other
F	Gasket Material	F1	EPDM
		FY	Other

Note :
- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- This product is meant for laboratory/Process application only and not for custody transfer application.

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