



LTC

Capacitance Type Level Transmitter

LTC is used in sensing level of variety of Liquids. It is available for conductive as well as nonconductive liquids. It is offered with PTFE sleeve for better insulation & to withstand high temperature in conductive tanks the insulated probe acts as one electrode & the tank wall as another electrode, any change in liquid level the dielectric value will change thereby changing the capacitance value proportional to the liquid level. In case of non-conductive tanks, a reference probe is provided as ground electrode. The output is 4-20mA, 4 wire connection for isolated supply & 3 wire for non-isolated supply. 2 wire loop powered output is also available.

Features:

- Cost effective with no moving parts.
- Easy to install with field adjustable switch points.
- Variety of electrode constructions to suit wide range of services.

Application:

- Utilities
- Beverage Industry
- Medical
- Pharmaceuticals
- Food Processing

Specification:

Enclosure	: W/P IP65 / Ex. Proof Gr IIA IIB / IIC
MOC of wetted parts	: SS304 / SS316
Process connection	: Flanged / Threaded.
Conduit Connection	: 1/2" BSP / 1/2" NPT - DCCG
Output	: 4-20 mA
Resolution	: 5 mm
Range (Probe length)	: 200-3000mm in Rigid probe Upto 15000 in flexible Probe
Power supply	: 24 VDC.
Permissible Load	: 500Ω
Max. Operating temperature	: 100 °C.
Max. Pressure	: 5 Kg/cm2.

Model code (Example)

How to order

LTC

Enclosure

W

W: W/P IP65 **E:** Ex. Proof Gr. IIA IIB **X:** Ex. Proof Gr. IIC

MOC of wetted parts

X

S: SS 304 **X:** SS 316

Process connection: Select XYZ form Table mentioned below.

SDR

For other connection please mention in Bracket (e.g. write "[20 NB PN10]")

X	Y	SIZE	Z	CONNECTION
S	D	PCD:92mm	1	BSP(M)
X	5	1/2"	3	NPT(M)
X	7	3/4"	R	Round Flange
A	0	1"	S	Square Flange
A	5	1 1/2"	A	150#
B	0	2"	B	300#
C	0	3"	T	Table D
D	0	4"		

Table for Connection Size & Type.

Probe type

R

R: Rigid **F:** Flexible

Conduit Connection:

B

B: 1/2" BSP-Conduit plug **S:** 1/2" NPT SCCG **D:** 1/2"NPT DCCG **O:** other

Reference Probe:

W

W: With **O:** Without

Range (Probe length)

XXX

Specify in mm (e.g. write 500 for 500mm Range)

Option: Select multiple option e.g. "M / S"

M: Matching Flange **S:** SS Tag Plate **T:** Material Test Certificates

Model code Example. LTC-W-X-SDR-R-B-W-XXX.

Note:

- Model code mentioned in Example is our standard specification.
- For any other custom requirement please mention in bracket "[]".