

# Capacitance Level Transmitter



Capacitance level transmitter 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. The tank empty ( 4mA) & full (20mA) calibration is through easy field calibration button in case of 4 wire & 3 wire. For 2 wire it is through multi turn trimpot. Rigid probe is offered for tank depth upto 3mtr & Flexible probe upto 15mtr. It is available with different mounting arrangement to suit customer requirement. It is widely used for water, Diesel, Oil, chemical & pharma applications.

## TECHNICAL SPECIFICATION

Type	: 2Wire( Loop powered ), 3 wire ( Non isolated), 4 wire ( Isolated) 4-20mA
Input	: 24V DC
Permissible Load	: 500 $\Omega$
Measuring Range	: 200mm to 3000mm in Rigid Probe Upto 15000mm in Flexile Probe
Pressure Max.	: 5kg / cm <sup>2</sup>
Temperature	: - 25 to 100 <sup>o</sup> C
Enclosure	: Die Cast Aluminium, Weatherproof or Flameproof
Resolution	: 5mm
Accuracy	: $\pm$ 0.5 % FS
Mounting	: Threaded - 1/2" / 1" / 2" BSPM or NPT Flange - 1" / 2" ASA/ANSI/JIS/DIN Triclover - 1"/2"
Mounting material	: SS 304 or SS 316

## ORDERING INFORMATION

