



CAPACITANCE TYPE LEVEL TRANSMITTER

SERIES : FCCT

Capacitance Level Transmitter is a compact, low cost, level transmitter with 4-20 mA analogue out-put designed to measure the level Of various liquids, and solid in tanks or storage vessels. Measuring range is 0.25 to 3 m for rod probe version. The probe forms an electrical capacitor with the surrounding metal contained wall, or with auxiliary reference probe . With the vessel empty, an initial capacitances exists between the electrode And the metal well or the auxiliary reference probe. When the probe become covered with material to be measured the capacitances will increase and the change will be measured and covered into an analogue (4-20 mA) output signal proportional to the change. Rod or flexible cable can be used for various conductive or non conductive Liquids.



LIQUID APPLICATION

FCCT - 01

Acids, Acitone, AmoniaBenzine, Feed water, CTC, Diesel, Oils, Fruit Juice, Milk, Wine etc.

PROBE SPECIFICATIONS

- **Conductive material** : Water based solutions. Acids, Bases etc – only insulated probe are suggested.
- **Non-Conductive material** : Mostly petrochemical and solvents – Insulated or non insulated probes can be used.
- **Probe Length /Measuring range** : 0.25 to 3m (Rod) 1 to 20m (Rope)
- **Process length /Measuring range** : As per application.
- **Probe Material** : Stainless steel rod /Rope insulated partly or fully with PTFE
- **Medium Temp** : -20°C to 100°C; Special Version upto 200°C
- **Electronics** : -25° C to +65° C
- **Output** : 4-20 madc (2 wire loop power)
- **Supply voltage (NOMINAL)** : 2-30 V Dc
- **Mounting connection** : 1/2" Standard for Rod probe, others as per request and application.

