



Capacitance Level Transmitter



LFT4

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DESCRIPTION

LFIA 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 capacitance exists between the electrode and the metal well or the auxiliary reference probe.

When the probe becomes covered with material to be measured the capacitance will increase and the change will be measured and converted 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.

APPLICATION

Acids, Acetone, Ammonia Benzene, Feed water, diesel, oils, fruit juice, milk, wine, water, etc.

PROBE SPECIFICATION CHART

› CONDUCTIVE MATERIAL:

Water based solutions. Acids, Bases etc - only insulated probe are suggested.

› NON-CONDUCTIVITY MATERIAL:

Mostly petrochemical and solvents - insulated or non-insulated probes can be used.

FEATURES

Long Range.

Rod & probe type

For conductive & non-conductive liquids.

TECHNICAL SPECIFICATION

Model	LFT4
Type	Rod/probe
Probe length/Measuring Range	Probe length/Measuring Range
Probe Material	SS Rod/Rope insulated partly or fully with PTFE
Temp.	-20 to 100 deg.C or special (upto 200)
Electronics	-15 to 65 deg.c
Housing	Aluminium, Weather proof
Connection	½" standard for rod version, others as per request & application
Supply Voltage	12 – 30V Dc
Output	4–20 mA, 2 wire loop

MODEL SELECTION

