

## Description

Cirrus Capacitance Level Transmitter is a versatile & economical mode of measuring continuous liquid level inside a tank or open pits. With ease of installation & various rod / flexible cable probe versions, this transmitter is suitable for long operating range. Transmitter is classified into two versions - Sheathed probe version is suitable for conductive liquid and Un-sheathed probe version is suitable for non-conductive liquids. In both versions probes are available in solid rod or flexible cable rope construction. The transmitters works on capacitance technology, where tank, liquid & measuring probe together forms a capacitor. In Conductive liquids the measuring probe is covered with a sheath material forming an insulator. Tank along with liquid forms a reference probe & transmitter probe becomes main probe of capacitance thus formed. Dielectric value of insulator changes with change in liquid level & hence the value of whole capacitance thus formed also changes. This change in capacitance value is converted into liquid level by getting a linear current output of 4-20 mA. In case if tank is made of non-conductive material (such as RCC, plastic) then a reference probe is required along with main measuring probe. In Non-conductive liquids, the measuring probe is not covered with sheath and the liquid media act as insulator. In case if tank is made of non-conductive material (such as RCC, plastic) then a reference probe is also required. For proper selection of model, dielectric constant & other parameters of liquids & construction of storage tank to be taken into consideration

Application: Water, condensate, beverages, juices, benzene, Alcohol, Granules, free flowing solids, granules, Lime etc.

## Features

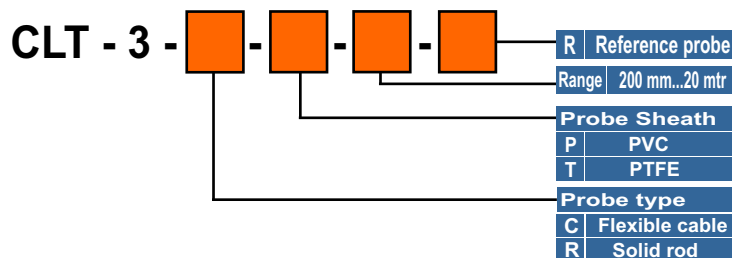
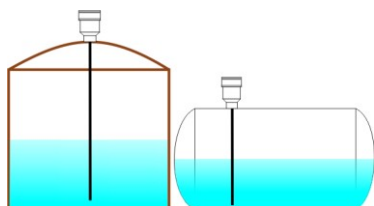
- ⇒ Long range.
- ⇒ Economical & reliable level measurement.
- ⇒ Flexible & Solid probes.
- ⇒ For Conductive & non conductive liquids.
- ⇒ Easy to install & operate.

## Technical Specification

MODEL	CLT3 - C	CLT3 - R
Type	Flexible Cable Probe	Solid Rod Probe
Measuring range	10 mtr.	2 mtr.
Probe Material	Stainless Steel	
Mounting	Top mounted	
Output	4 - 20 mA, 2 wire	
Process Temperature	100 °C / 200 °C / 300 °C	
Operating Pressure	10 Bar .	
Process Connection	G ½ thread / Flange (optional)	
Supply voltage	24 V DC	
Housing	Aluminium weatherproof	
Probe sheathes	PVC / PTFE (for conductive liquids)	



## Model Selection



Contact us for other models & specifications not listed here. Due to product enhancement, technical specification may vary.

# Cirrus

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