



# YPL INSTRUMENTS PVT. LTD.

## CAPACITANCE LEVEL TRANSMITTER: YPL-CLT24

### Introduction

YPL 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.



FIG. 1

### Features

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

### Specification

Probe material	: standard steel
Enclosure	: Aluminum
Type	: flexible cable/solid rod
Operating Pressure	: Upto 10 bar
Operating Temperature	: Upto 300°C (as per model)
Output	: 4 to 20mA (2wire)
supply	: 24 VDC
Mounting	: Top
Flange Details	: threaded/flanged
Probe sheathes	: PVC/PTFE (for conductive liquids)
Measuring range	: cable-10 meters/rod-2 meters



FIG.2

**REGD. OFF: PLOT NO. 86-B, NEW DLF INDUSTRIAL AREA FARIDABAD-121003 (HARYANA)**

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