



Series 9100 : Liquid Level Transmitter

For Diesel / Lube Oils / Solvents
Indication / Data Output / Active Control for Automation



Specifications

Measurement Accuracy	: ±2.0mm of reading
Range of Measurement	: 200mm - 3000mm Tank Height
Operating Temp. Range	: -40°C to 125°C
Material of Construction	: Diaphragm : SS316L Welded Parts : SS316 Seals : Nitrile / Viton / EPDM.
Operating Pressure	: Suitable for non pressurized vented tanks only.
Retransmission Output	: a) 4-20mA analog OR b) RS485 MODBUS RTU
Display	: 8x2 dot matrix back lit LCD. Parameter Displayed : a) Tank Level mm b) Tank Volume : Liter c) Alarms d) Pump Status
Relay Output	: 03 Nos.
Power Supply	: 24V DC±10% 100mA max.
Area Classification	: Flameproof to IS2148 1981 Gr. IIA IIB Weatherproof to IP65 Certified by CMRS Dhanabad.

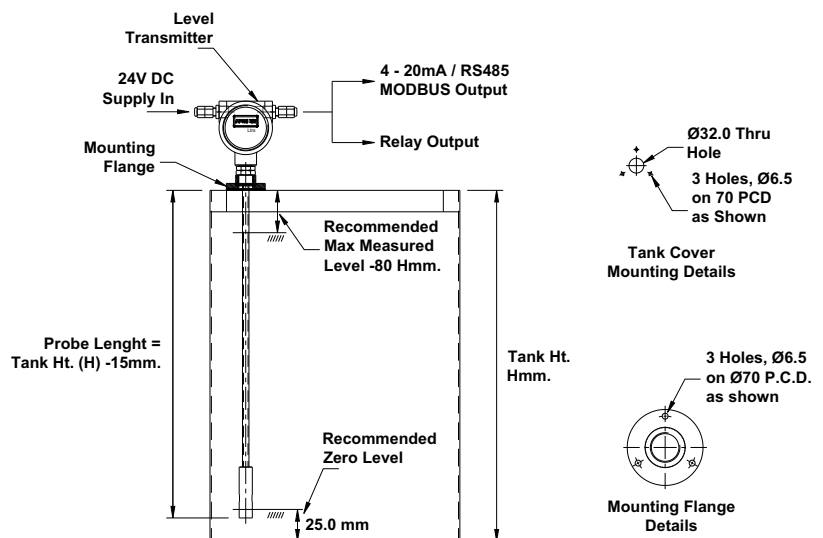
Introduction

The hydrostatic Level Transmitter is specially designed and developed for measuring level in Service Tanks and Bulk Storage Tanks of Diesel fuel, Lube Oils and Solvents used across a variety of industrial applications. A permissible operation temp of 125°C and use of flame proof electronic housing make the instrument most suitable for diesel fuel measurement in the diesel power generation industry. At the heart of the unit is a Stainless Steel diaphragm piezoresistive Pressure Sensor which ensures high accuracy and reliability over years of service.

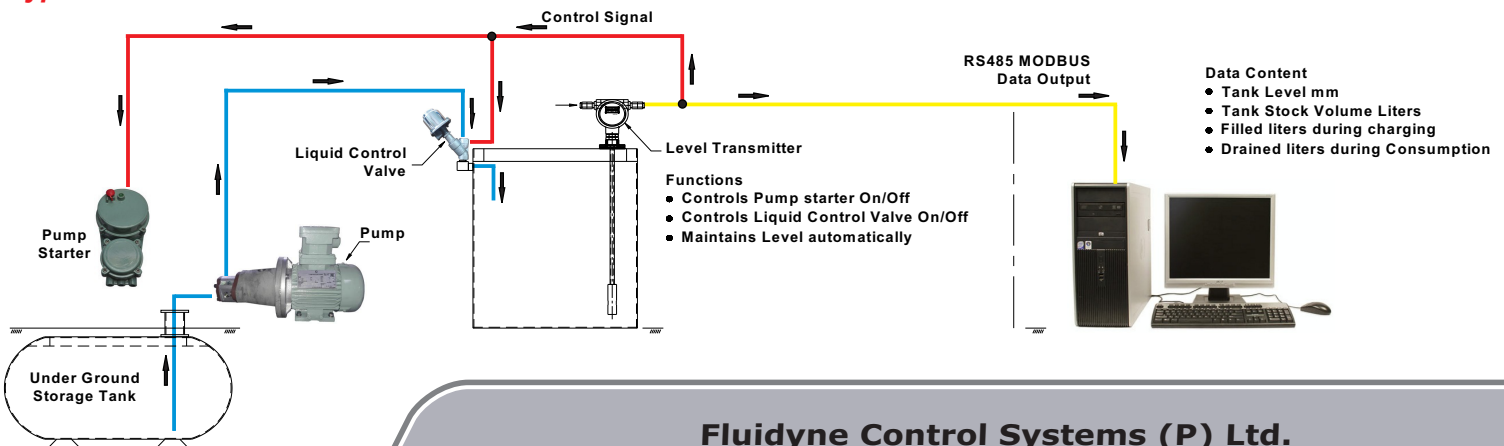
Features

- Suitable for tank height range from 200 – 3000 mm.
- Accuracy of level measurement ±2.0mm guaranteed.
- All stainless steel construction.
- Temp compensation measurement up to 80°C liquid temp.
- Displays Level in mm and Tank Volume in Liters.
- Retransmission Output 4-20mA analogue or RS485 MODBUS RTU.
- Programmable levels for alarms generations.
- Automatic tank level control thru programmable relay output.
- Instrument housing Flame proof to IS2148 1981 & Weather proof to IP65.

Dimensional / Installation Drg.



Typical Installation for Tank Level Automation



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