

Capacitance Fuel Level Transmitter – 'CFT'



SINCE 1984

is a microcontroller based level transmitter without moving parts to provide local & telematic digital level monitoring in Vehicles & DG sets.

Features :

- ✦ Compact microcontroller based design
- ✦ Low power consumption
- ✦ High Resolution
- ✦ Construction to suit turbulence
- ✦ Easy calibration thru push-buttons
- ✦ Probe length field reducible thru cut-off

Construction & Operation :

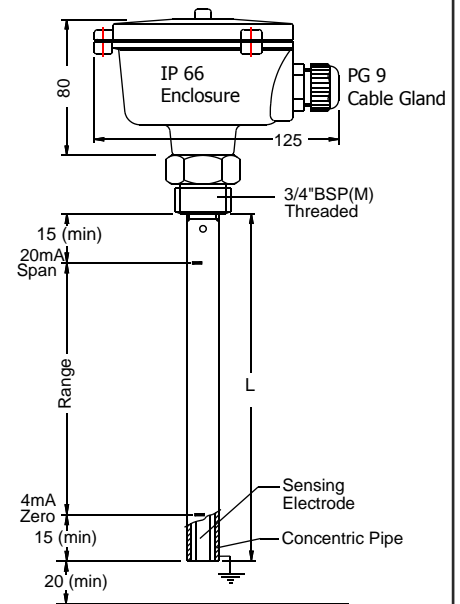
Consists of a sensing & ground concentric electrode with integral electronics housed in cast Aluminium enclosure (fig.1). The probe is top mounted with threaded / flanged process connections. The capacitance formed between sensing & ground electrode is proportional to the change in liquid level, is sensed and converted to 4-20mA analogue output.



Specifications :

Service	: Diesel
Enclosure	: Cast Al WP-IP66
Conduit Connection	: Polyamide x PG 9
Electrode Construction	: Rigid sensing with Concentric ground pipe
Electrode MOC	: SS304
Electrode Length	: 200 to 1000mm
Range	: Electrode length - 30mm
Process Connection	: CS x Screwed to 3/*4" BSP (M)/ Flanged
Calibration	: Zero & Span calibration thru push button key
Power Supply	: 10 to 32 VDC
Out put	: 4-20mA (2 wire) or RS 485 (4 wire)
Power Consumption	: 480 Milliwatt
Max Load	: 400 ohms at 24VDC
Accuracy	: 2% of FSD
Max Temperature	: 0 to 60°C
Max Pressure	: 2Kg/cm ²

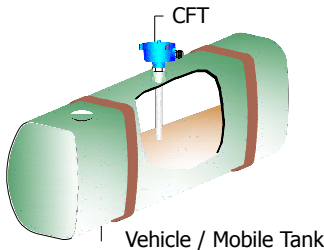
Fig. 1



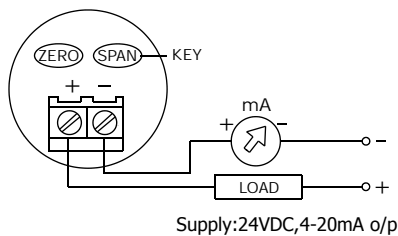
Applications :

Vehicle Telematic Monitoring Systems, Construction Machinery, Heavy Equipments, Diesel Locomotives & Mobile Tower Diesel Gensets.

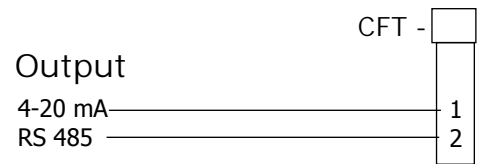
Installation :



Wiring & Termination :



Model Identification No :



All dimensions in mm except specified

PUNE TECHTROL PVT LTD

S-18, MIDC, Bhosari, Pune : 411026 India

+91-20-66342900, 27121052

66342998

ho@punetechtrol.com

www.punetechtrol.com



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- ✦ Bilge Level Switch (Marine appl)