



Application

The COLM (contec level measurement) T/LL171 series is a range of highly advanced sensors designed to continuously measure the height of the fuel level in a tank and provides a 4-20 mA output. The sensor is not a loop powered device.

Fully featured for use in difficult and hostile environments, the sensor has a very small footprint with its advanced electronics being housed in the hexagon header.

Unusually, the T/LL171 series can be used in very shallow tanks without detriment to its accuracy.

Unusually, the T/LL171 series can be used in very shallow tanks without detriment to its accuracy.



General Specifications

Accuracy:	±2% of depth @ -20 °C to 80 °C
Temperature Range:	-20 °C to +85 °C

Electrical

Supply Voltage:	90 VDC
Supply Current:	50 mA (including output load)
Supply Protection:	Reverse polarity
Signal Output:	Current Source 4-20 mA, 250 Ω max. output load.
Output Protection:	Supply misconnection. Ground misconnection.
Connections:	4 Way Delphi Packard Metri-Pack 150 Series.
Mating Connector:	C/K1 (Delphi Packard Metri-Pack 150). To fit 0.8 - 1.0 mm ² conductor, Ø 1.6 - 2.15 mm sleeve.

Dimensions

Probe Length:	Min. 90 mm, max. 500 mm
Threads:	1/2" BSPT, 1/2" BSPP, 1/4" NPTF, 1/2" NPTF, 3/8" NPTF, M14 x 1.5, M18 x 1.5

Sealing

Sealing:	IP67 with mating connector
Max Pressure:	1 bar
Weight:	150 g (500 mm long sensor)

Liquid Types

Liquids compatible with the construction materials:

- typically diesel
- water
- petrol
- kerosene

Accuracy depends on proper sizing/tank dimension.
Materials and specifications are subject to change without notice.

Materials of Construction

Enclosure:	30% glass filled nylon
Internal Electrode:	PTFE
Sensor Tube:	Brass
Internal Spacers:	Polypropylene
End plug:	PTFE
Wetted Seals:	Fluorosilicone, Viton (FKM)

