TECHNICAL DATA

T/LL171 Series Fuel Level Sensor





The **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.

SPECIFICATION

Liquid Types

Liquids compatible with the construction materials; typically diesel, kerosene, petrol, ethanol, water.

Dimensions

Probe Length: Min. 90 mm, Max. 500 mm

Threads: ½" BSPT, ½" BSPP, ¼" NPTF, ½" NPTF,

 $^{3}/_{8}$ " NPTF, M14 x 1.5, M18 x 1.5

Electrical

Supply Voltage: 9-30 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 SeriesMating Connector:Fozmula C/K1 (Delphi Packard Metri-Pack

150). To fit 0.8-1.0 mm² conductor,

Ø1.6-2.15 mm sleeve.

Performance

Accuracy: ±2% of depth @ -20 °C to 80 °C

Materials

Enclosure: 30% glass filled nylon

Internal Electrode: PTFE
Sensor Tube: Brass

Internal Spacers: Polypropylene

End plug: PTFE

Wetted Seals: Fluorosilicone, Viton (FKM)

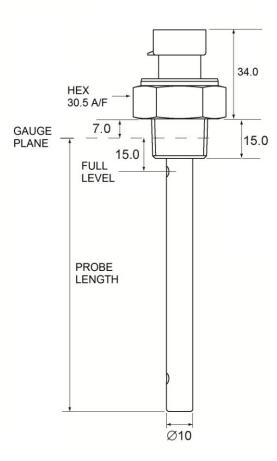
Environmental Ratings

Sealing: IP67 with mating connector

Max Pressure: 1 bar

Operating Temp: -20 °C to +85 °C

Weight: 150 g (500 mm long sensor)



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