

## TECHNICAL DATA

**FOZMULA**  
INNOVATION IN SENSORS

### T/LL174 Series Fuel Level Sensor



The **T/LL174 series** is a range of highly advanced sensors designed to continuously measure the height of the fuel level in a tank and provide a 1-5 V output.

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/LL174 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, water.

### 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

### Electrical

**Supply Voltage:** 9-30 VDC  
**Supply Current:** 50 mA (including output load)  
**Supply Protection:** Reverse polarity.  
**Signal Output:** Voltage Source 1-5 V, 100 kΩ min. output load.  
**Output Protection:** Supply misconnection. Ground misconnection.  
**Connections:** 4 Way Delphi Packard Metri-Pack 150 Series  
**Mating Connector:** Fozmula **C/K1** (Delphi Packard Metri-Pack 150).  
To fit 0.8-1.0 mm<sup>2</sup> 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)

