

T/LL171 Series Fuel Level Sender

The **Model 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 1-5V 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/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 and water.

Dimensions

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Probe Length | Min 90mm, Max 500mm |
| Threads: | ½ "1BSPT, ½ " BSPP, ¼ " NPTF, ½ " NPTF, ¾/8" NPTF, M14 x 1.5, M18 x 1.5 |
| Electrical | |
| Supply Voltage: | 9-30VDC |
| Supply Current: | 50mA (including output load) |
| Supply Protection | Reverse polarity. |
| Signal Output | Current Source 4-20mA, 250Ω max output load. |
| Output Protection | Supply misconnection, Ground misconnection |
| Connections: | 4 Way Delphi Packard Metri-Pack 150 Series |
| Mating Connector: | Rochester Sensors C/K1 (Delphi Packard Metri-Pack 150) To fit 0.8-1.0mm ² conductor, Ø1.6-2.15mm 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: | Polyoroiylene |
| Endplug: Wetted | PTFE |
| Seals: | Fluorosilicone, Viton (FKM) |

Environmental Ratings

| | |
|------------------------|----------------------------|
| Sealing: | IP67 with mating connector |
| Max Pressure: | 1 bar |
| Operating Temp: | -20°C to +85°C |
| Weight: | 150g (500mm long sensor) |

