

TECHNICAL DATA

FOZMULA
INNOVATION IN SENSORS

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. 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 and is capable of operating at significantly extended temperatures without difficulty.

SPECIFICATION

Dimensions:

Probe length: Min 90mm, Max 500mm

Electrical:

Supply voltage: 12 - 15Vdc
Accuracy: $\pm 2\%$ of depth @ -20°C to +80°C

Supply current draw: 50mA @ 15Vdc incl. output load
Connection: Packard Metri-Pack 150 series
Protection: Over voltage (24Vdc) for 1 minute and reverse polarity

Output:

Current source: 4 - 20mA (protected if connected to ground or V+)
Max resistance to gnd: 250 Ω

Construction:

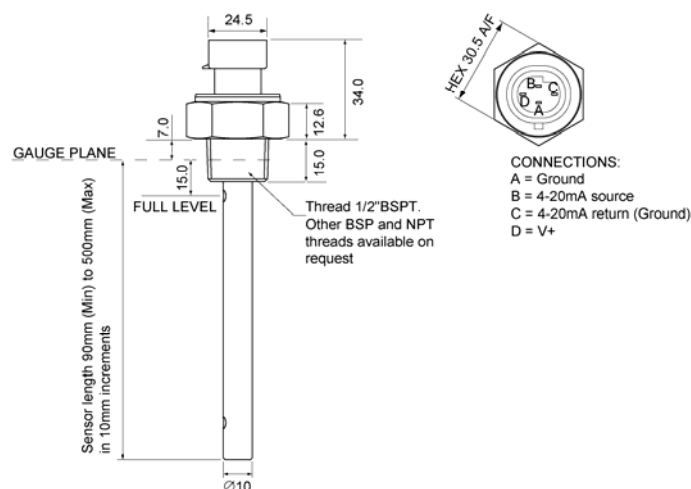
Housing:	Brass	Internal sensor:	PTFE coated stainless steel
Sensor tube:	Brass	Wetted seals:	Viton
Internal insulators:	PTFE	Connector:	PA66 GF30

Fluid Types: Diesel, biodiesel, kerosene, petrol, ethanol, water.

Environmental Ratings:

Temperature - operating: -20°C to +80°C
- storage: -40°C to +140°C
Max tank pressure: 5 bar (72 psi)
Vibration: BS EN 60068-2-64:1993 (15.3grms)

Sealing: IP67
Shock: 50g 6.3mS
Weight: 130g (200mm long unit)



Optional accessories:

Mating connector kit to suit harness wire cross sectional area of 0.8 to 1.0mm² and sleeve \varnothing 1.60 to 2.15mm:

Our Part no	Description
C/K1	Connector kit comprising of: Crimp Terminals (x4) Cable seals (x4) Cavity plug (x1) Connector assembly 4 way (x1) TPA lock (x1)

From the Packard Metri-Pack 150 series of connectors.

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