TECHNICAL DATA

T/LL171 series fuel level sender

FOZMULA
INNOVATION IN SENSORS

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 (Min 3.5", Max 19.7")

Electrical:

Supply voltage:	Suitable for 12 and 24 Vdc systems	**Supply current draw:**	50mA@15Vdc incl. output load
Accuracy:	±2% of depth @ -20ºC to +80ºC	**Connection:**	Packard Metri-Pack 150 series
	(±2% of depth @ -4ºF to +176ºF)	**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: 250Ω

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:	-20ºC to +80ºC, -4ºF to +176ºF	**Sealing:**	IP67
- storage:	-40ºC to +140ºC, -40ºF to +284ºF)	**Shock:**	50g 6.3mS
Max tank pressure:	5 bar (72 psi)	**Weight:**	130g (4.1/2 oz) (200mm long unit)
Vibration:	BS EN 60068-2-64:1993 (15.3grms)		
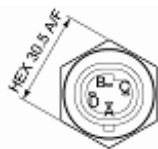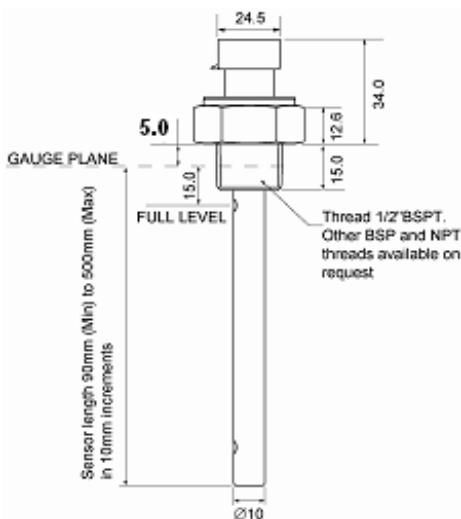
CONNECTIONS:
A = Ground
B = 4-20mA source
C = 4-20mA return (Ground)
D = V+

Thread 1/2"BSPT. Other BSP and NPT threads available on request

Optional accessories:

Mating connector kit to suit harness wire cross sectional area of 0.8 to 1.0mm2 and sleeve ⌀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.