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 3.5ò Max 19.7ò)

Electrical:

Supply voltage: Suitable for 12 and 24 Vdc systems
Accuracy: ±2% of depth @ -20ºC to +80ºC (±2% of depth @ -4ºF to +176ºF)
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: 250Ω

Construction:

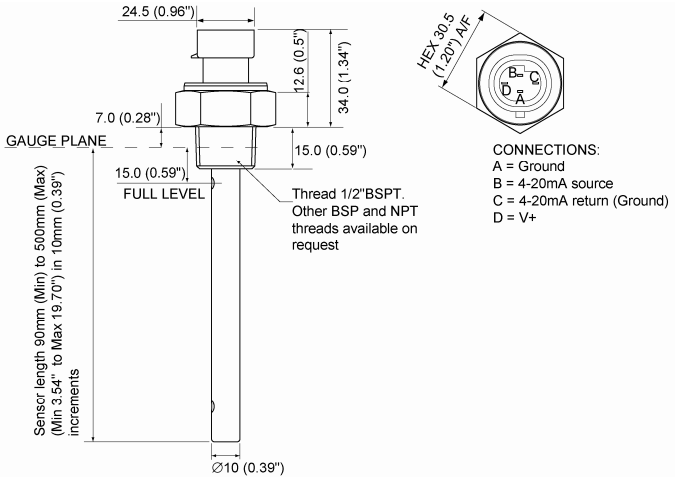
Housing: Brass
Sensor tube: Brass
Internal insulators: PTFE
Internal sensor: PTFE coated stainless steel
Wetted seals: Viton
Connector: PA66 GF30

Fluid Types:

Diesel, biodiesel, kerosene, petrol, ethanol, water.

Environmental Ratings:

Temperature - operating: -20ºC to +80ºC, -4ºF to +176ºF
- storage: -40ºC to +140ºC, -40ºF to +284ºF)
Max tank pressure: 5 bar (72 psi)
Vibration: BS EN 60068-2-64:1993 (15.3grms)
Sealing: IP67
Shock: 50g 6.3mS
Weight: 130g (4.1/2 oz) (200mm long unit)



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.

Berrington Road | Leamington Spa | Warwickshire CV31 1NB | UK
Tel: +44 (0)1926 466700 | Fax: +44 (0)1926 450473 | www.fozmula.com
www.fozmula.com

E. & O. E. © Fozmula Limited. June 2010 Issue No. 3
Since the suitability of these products depends upon a wide range of factors not in our control, Fozmula Limited expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Fozmula Limited reserves the right to make material changes, and or technical changes without notification.