TECHNICAL DATA

T/LL200 Series Liquid Level Sensor

FOZMULA
INNOVATION IN SENSORS

The **T/LL200** series is designed for use in vented tanks requiring continuous level measurement of their contents and provides a factory set linear* voltage or 4-20 mA output suitable for connecting into a PLC or process related applications. (The **T/LL200** is not a loop powered sensor).

The device has no moving parts and utilises hydrostatic technology incorporating a pressure transducer to measure the height of liquid. The flexible tube allows the sensor to be fitted easily and to tanks where a swing arm device is not practical.

*Contact Fozmula for non-linear applications.

SPECIFICATION

Liquid Types

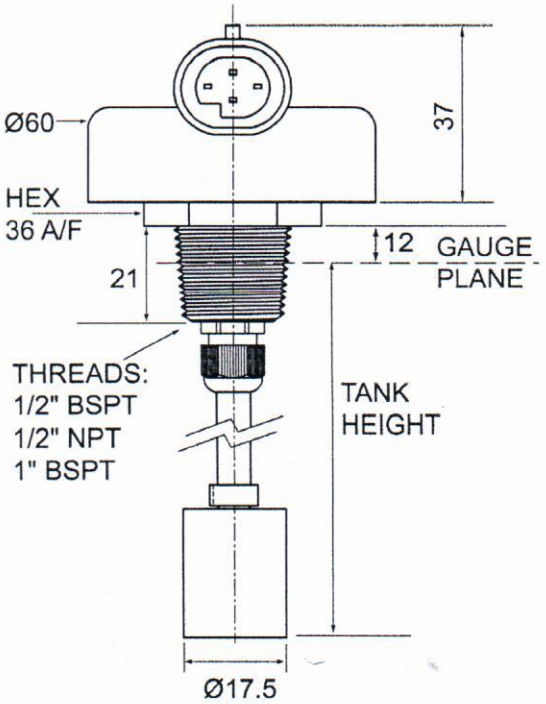
Liquids compatible with the construction materials; typically diesel, kerosene, petrol, water.

Dimensions

Liquid Depth Diesel:	Min. 400 mm, Max. 4000 mm
Liquid Depth Water:	Min. 400 mm, Max. 3500 mm
Threads:	½" BSPT, 1" BSPT, ½" NPT
Flange Option:	Fozmula **F/T1** SAE 5 Hole

Electrical

Supply Voltage:	9-32 VDC (Voltage output), 18-32 VDC (Current output)
Supply Current:	30 mA
Supply Protection:	Over-voltage 80 VDC for 2 minutes. Reverse polarity.
Signal Output:	Current Range. 4-20 mA or 20-4 mA. Max. 250 Ω load. Voltage source range. 0-5 V or 5-0 V. Max. 10 mA.
Alarm Output:	Switch to ground. Max 100 mA. Default setting is 12.5% of full level. Minimum 50 mm from sensor end.
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^2 conductor, Ø1.6-2.15 mm sleeve.



Performance

Accuracy:	±1.6% for 2000 mm fluid depth @ 25 °C

Materials

Enclosure:	30% Glass Filled Nylon
Gland:	Nylon
Sensor Tube:	Polyurethane
Sensor Body:	316 Stainless Steel
Retaining Clip:	304 Stainless Steel
Wetted Seals:	Viton (FKM)

Environmental Ratings

Sealing:	IP67 with mating connector above tank surface (excluding tank venting hole).
Operating Temp:	-20 °C to +85 °C
Vibration:	4.3 Grms BS EN 60068-2-64:1993
Weight:	300 g (1 m long sensor)