

## 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

<b>Liquid Depth Diesel:</b>	Min. 400 mm, Max. 4000 mm
<b>Liquid Depth Water:</b>	Min. 400 mm, Max. 3500 mm
<b>Threads:</b>	1/2" BSPT, 1" BSPT, 1/2" NPT
<b>Flange Option:</b>	Fozmula <b>F/T1</b> SAE 5 Hole

### Electrical

<b>Supply Voltage:</b>	9-32 VDC (Voltage output), 18-32 VDC (Current output)
<b>Supply Current:</b>	30 mA
<b>Supply Protection:</b>	Over-voltage 80 VDC for 2 minutes. Reverse polarity.
<b>Signal Output:</b>	Current Range. 4-20 mA or 20-4 mA. Max. 250 $\Omega$ load. Voltage source range. 0-5 V or 5-0 V. Max. 10 mA.
<b>Alarm Output:</b>	Switch to ground. Max 100 mA. Default setting is 12.5% of full level. Minimum 50 mm from sensor end.
<b>Connections:</b>	4 Way Delphi Packard Metri-Pack 150 Series.
<b>Mating Connector:</b>	Fozmula <b>C/K1</b> (Delphi Packard Metri-Pack 150) To fit 0.8-1.0 mm <sup>2</sup> conductor, $\varnothing$ 1.6-2.15 mm sleeve.

### Performance

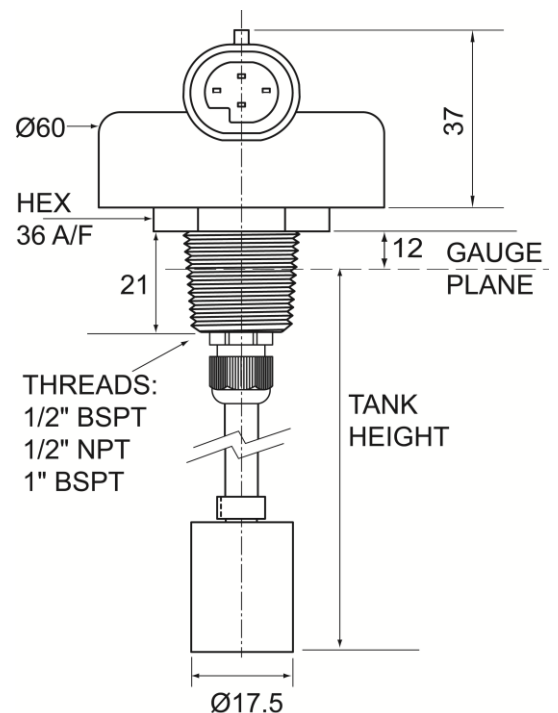
<b>Accuracy:</b>	$\pm$ 1.6% for 2000 mm fluid depth @ 25 °C
------------------	--

### Materials

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

### Environmental Ratings

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



Available From:



**GTS Gauges Transmitters Switches Pty Ltd**

6 Dayana Close Midvale WA 6056

Ph: 08 9250 4400 Fax: 08 9250 4500

[sales@gtsgauges.com.au](mailto:sales@gtsgauges.com.au) [www.gtsgauges.com.au](http://www.gtsgauges.com.au)