# FOZMULA

## T/LL130 series liquid level sensor Technical data

The **Model T/LL130** series is designed for use in water, coolant or fuel/oil tanks and provides a variable resistive, voltage or PWM (Pulse Width Modulated) output suitable for driving industry standard fuel gauges or connecting into plcs.

The device has no moving parts and can be mounted at any angle as long as it covers the whole depth of the tank. An optional manual calibration feature is available.

#### Specification

#### **Dimensions:**

Probe length: Min 200mm, Max 2000mm (Min 7.9", Max 78.75")

#### **Electrical:**

Supply voltage:7-35Vdc Operating frequency: Warning output: Connections: Supply current: 8.3kHz On...1/8 tank as default 4 way Delphi Packard connector (Metri-Pak 150 series)

The voltage output consists of a voltage follower with a  $100\Omega$  resistor to limit the current draw. The load placed on the output must be greater than  $10K\Omega$ .

30% glass filled Nylon 6

Model C/K1 mating connector wiring arrangement:

in A: GND power supply return

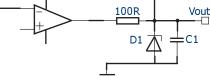
Stainless steel 316



15mA@12Vdc approx Output signal:

Linearity: Accuracy: Factory set resistance range or factory set between 0-5V or5-0V 1% ±2.5% of total probe length

r with a  $100\Omega$  resistor to utput must be greater than  $10K\Omega$ .



PTFE covered stainless steel Fluorosilicone rubber

### Sensor tube: Fluid Types:

**Construction:** 

Housing:

Ø60

Fluids compatible with 316 St/St, Nylon 6, PTFE & Nitrile rubber. N. B. Not suitable for fuels which contain Toluene

#### **Environmental Ratings:**

 Temperature
 - operating:
 -40°C to
 +85°C (-40°F to
 +185°F)

 - storage:
 -55°C to
 +100°C (-67° to
 +212°F)

 Vibration:
 BS EN 60068-2-64:1993 (15.3grms)

Sealing: Shock: Max tank pressure:

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1/2" BSPP THREAD

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Model F/T1 flange mounting option

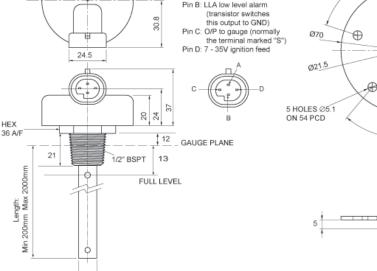
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Internal sensor:

Seals:

IP67 50g 6.3mS 2.0 bar [29 psi]

Model	Output	Manual Cal
T/LL130	Resistive	No
T/LL131	Voltage	No
T/LL132	PWM	No
T/LL133	Resistive	Yes
T/LL134	Voltage	Yes
T/LL135	PWM	Yes



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