

# TECHNICAL DATA



## T/LL130 series liquid level sensor



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 8", Max 78")

### Electrical:

**Supply voltage:** 7-35Vdc\*  
**Warning output:** Switch to ground. Max 100mA  
**Connections:** 4 way Delphi Packard connector (Metri-Pak 150 series)

**Supply current:** 15 – 30mA  
**Output signal:** Factory set values between 0-250Ω or 250-0Ω, or between 0-5V or 5-0V  
**Linearity:** 1%  
**Accuracy:** ±2% of depth @ 20°C (+68°F)

\*Protected against overvoltage (80Vdc for 2 minutes) and incorrect electrical connection

### Construction:

**Housing:** 30% glass filled Nylon 6  
**Sensor tube:** Stainless steel 316

**Internal sensor:** PTFE covered stainless steel  
**Seals:** NBR rubber

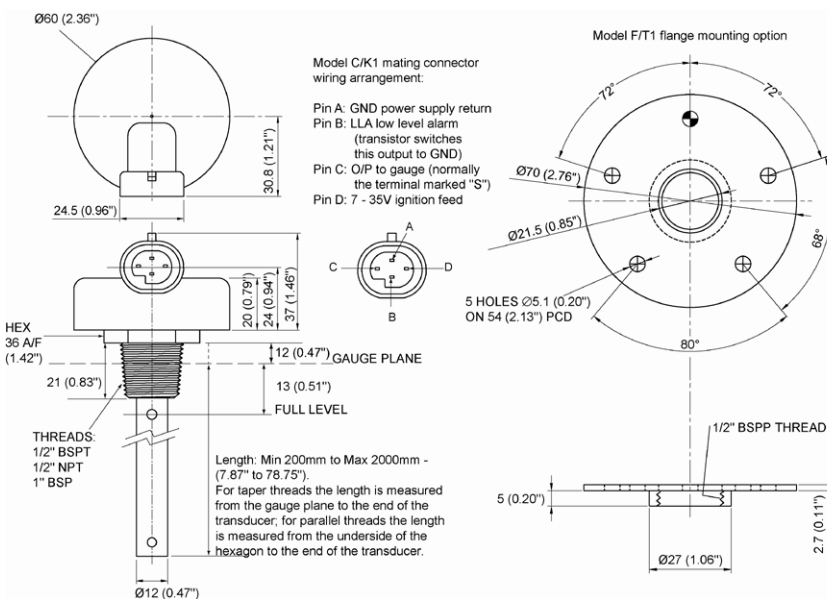
### Fluid Types:

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:** IP67  
**Shock:** 50g 6.3ms



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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