

TECHNICAL DATA

T/LL136, 137 & 138 series liquid level sensor – race fuels

FOZMULA
INNOVATION IN SENSORS



The **Model T/LL136, 137 & 138** series is designed for use in aggressive fuels found in race/rally cars 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. A manual calibration feature is included.

SPECIFICATION

Dimensions:

Probe length: Min 200mm, Max 600mm (Min 8", Max 24")

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 of 0-250Ω or 250-0Ω, or 0-5V or 5-0V
Linearity: 1%
Accuracy: ±2% of depth @ 20°C (+68°F)

Construction:

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

Internal sensor: Stainless steel
Seals: PTFE

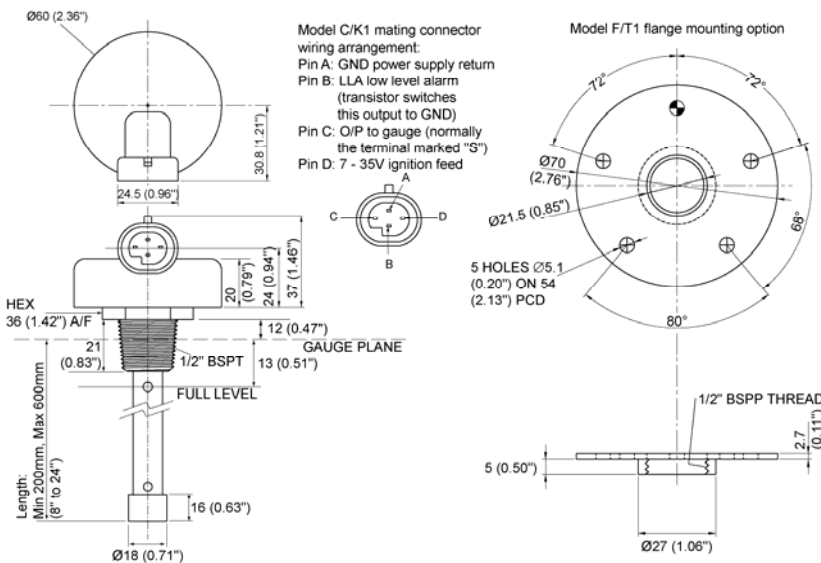
Fluid Types:

All fuels including those containing Ethanol or Toluene of any fraction.

Environmental Ratings:

Temperature - operating: -40°C to +85°C (-40°F to +185°F)
- storage: -55°C to +100°C (-67°F to +212°F)
Vibration: BS EN 60068-2-64:1993 (15.3grms)

Sealing: IP67
Shock: 50g 6.3ms



Model	Output	Manual Cal.
T/LL136	Resistive	Yes
T/LL137	Voltage	Yes
T/LL138	PWM	Yes

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