TECHNICAL DATA

T/LL200 series liquid level sensor

FOZMULA
INNOVATION IN SENSORS

The **Model T/LL200** series is designed for use in tanks requiring continuous level measurement of their contents and provides a voltage or 4-20mA output suitable for connecting into a PLC or process related applications.

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.

SPECIFICATION

Dimensions:

Tank depth: Min 400mm, Max 4000mm (15.8" to 158") *
Mounting: 1/2" BSPT, 1/2" NPT, 1" BSPT or optional 5 holes SAE flange
Note: Max tank depth for fuels is 4000mm (158") and for water is 3500mm (138").
* Consult Fozmula for availability of lengths not within these dimensions

Electrical:

Supply voltage: 9-32VDC for voltage output version. 18-32VDC for current output*.
Supply current: 25mA@24VDC
Connections: 4 way Delphi Packard connector (Metri-Pak 150 series)
Output signal: 0-5V (±0.5%) or 4-20mA
Accuracy: ±2.5% of total fluid depth
LLA: Switch to ground. 100mA max. current
* Please note: this is not a loop powered instrument.

Construction:

Housing: 30% glass filled Nylon 6
Sensor tube: Polyurethane flexible tube
Seals: Viton

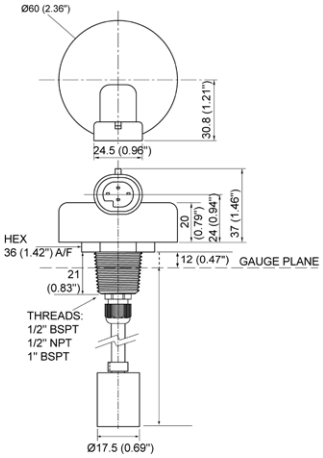
Fluid Types:

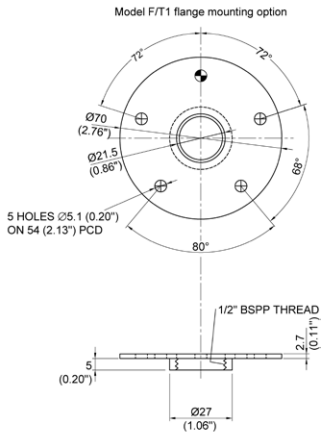
Fluids compatible with Stainless Steel, PA6, Polyurethane & Viton.

Environmental Ratings:

Temperature - operating: -20ºC to +85ºC (-4ºF to +185ºF)
- storage: -55ºC to +105ºC (-67ºF to + 221ºF)
EMC: Designed to meet EN ISO 13766

Electronics enclosure: IP66





Optional accessories:

Mating connector kit to suit harness wire cross sectional area of 0.8 to 1.0mm2 and sleeve ∅1.60 to 2.15mm:

Our Part no	Description
C/K1	Connector kit comprising of:
	Crimp Terminals (x4)
	Cable seals (x4)
	Cavity plug (x1)
	Connector assembly 4 way (x1)
	TPA lock (x1)

From the Packard Metri-Pack 150 series of connectors.

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