

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*
Mounting: 1/2" BSPT, 1/2" NPT, 1" BSP or optional 5 holes SAE flange
Note: Max tank depth for fuels is 4000mm and for water is 3500mm.
* Consult Fozmula for availability of lengths not within these dimensions

Electrical:

Supply voltage: 12 or 24Vdc nominal
Supply current: 6mA@12Vdc
Connections: 4 way Delphi Packard connector (Metri-Pak 150 series)
Output signal: 0-5V ($\pm 0.5\%$) or 4-20mA
Accuracy: $\pm 2.5\%$ of total fluid depth

Construction:

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

Maximum ratings:

Supply voltage: 8 - 34Vdc
Pressure (Hydrostatic): 5 psi

Fluid Types:

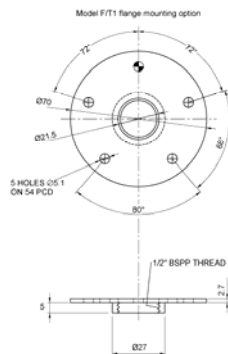
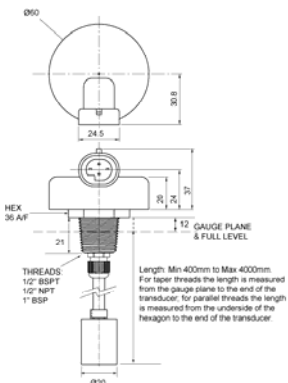
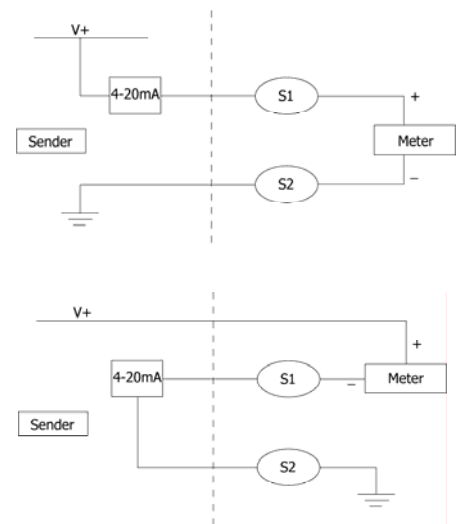
Fluids compatible with Stainless Steel, PA66, polyurethane & Viton

Environmental Ratings:

Temperature - operating: -20°C to +85°C
- storage: -55°C to +105°C
EMC: Designed to meet EN ISO 13766

Sealing: IP67
Shock: 50g 6.3ms
Vibration: 1.5mm 10-40Hz (600 - 2400RPM)

Typical output configurations - others available on request



Optional accessories:

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

Our Part no C/K1
Description
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.

Berrington Road | Leamington Spa | Warwickshire CV31 1NB | UK

Tel: +44 (0)1926 466700 | Fax: +44 (0)1926 450473 | www.fozmula.com

www.fozmula.com

E. & O. E. © Fozmula Limited. July 2010 Issue No. 6

Since the suitability of these products depends upon a wide range of factors not in our control, Fozmula Limited expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Fozmula Limited reserves the right to make material changes, and or technical changes without notification.