Rochester Sensors
Engineering Innovative Solutions™

T/LL200 Series Liquid Level Sensor

The **T/LL200** series is designed for use in vented tanks requiring continuous level measurement of their contents and provides a factory set linear* voltage or 4-20 mA output suitable for connecting into a PLC or process related applications. (The **T/LL200** is not a loop powered sensor).

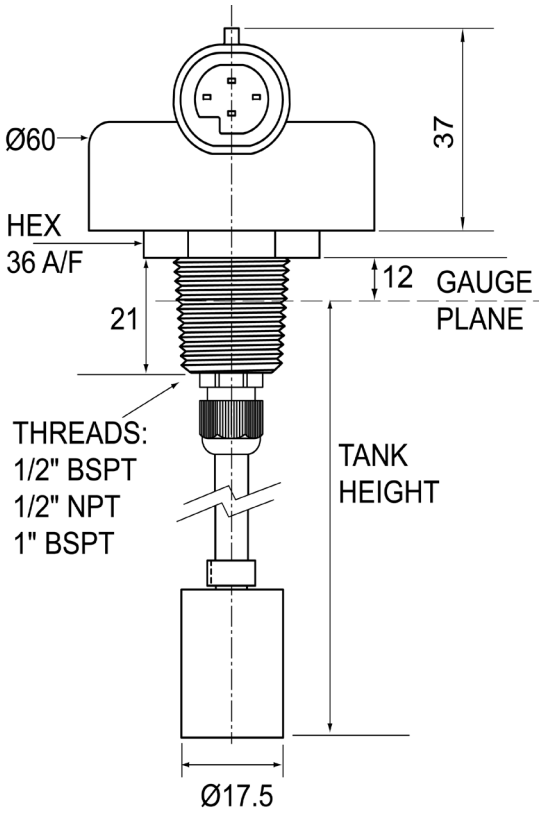
The device has no moving parts and utilises hydrostatic technology incorporating a pressure transducer to measure the height of liquid. The flexible tube allows the sensor to be fitted easily and to tanks where a swing arm device is not practical.

*Contact Rochester Sensors for non-linear applications.

SPECIFICATION

Liquid Types
Liquids compatible with the construction materials typically; diesel, kerosene, petrol, water.

Dimensions
Liquid Depth Diesel: Min. 400 mm, Max. 4000 mm
Liquid Depth Water: Min. 400 mm, Max. 3500 mm
Threads: ½" BSPT, 1" BSPT, ½" NPT
Flange Option: Rochester Sensor **F/T1** SAE 5 Hole



Electrical
Supply Voltage: 9-32 VDC (Voltage output), 18-32 VDC (Current output)
Supply Current: 30 mA
Supply Protection: Over-voltage 80 VDC for 2 minutes. Reverse polarity.
Signal Output: Current Range. 4-20 mA or 20-4 mA. Max. 250 Ω load. Voltage source range. 0-5 V or 5-0 V. Max. 10 mA.
Alarm Output: Switch to ground. Max 100 mA. Default setting is 12.5% of full level. Minimum 50 mm from sensor end.
Connections: 4 Way Delphi Packard Metri-Pack 150 Series.
Mating Connector: Rochester Sensors **C/K1** (Delphi Packard Metri-Pack 150) To fit 0.8-1.0 mm^2 conductor, Ø1.6-2.15 mm sleeve.

Performance
Accuracy: ±1.6% for 2000 mm fluid depth @ 25 °C

Materials
Enclosure: 30% Glass Filled Nylon
Gland: Nylon
Sensor Tube: Polyurethane
Sensor Body: 316 Stainless Steel
Retaining Clip: 304 Stainless Steel
Wetted Seals: Viton (FKM)

Environmental Ratings
Sealing: IP67 with mating connector above tank surface (excluding tank venting hole).
Operating Temp: -20 °C to +85 °C
Vibration: 4.3 Grms BS EN 60068-2-64:1993
Weight: 300 g (1 m long sensor)