

Liquid Level Solutions

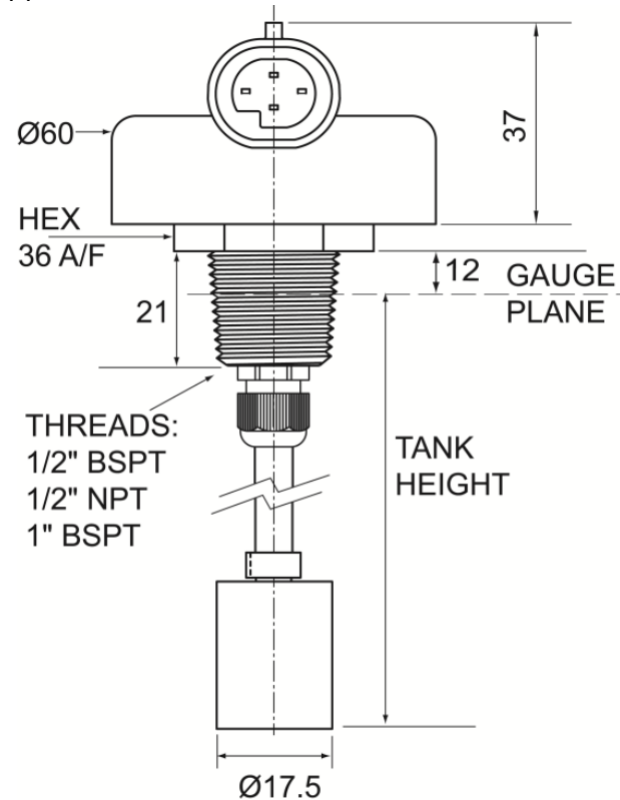
LLS200 Series Liquid Level Sensor

The LLS-200 Series is designed for use in tanks where mounting a traditional rigid probe or swing arm isn't possible. It provides a linear voltage or 4-20 mA output suitable for connecting into a plc or process related applications. The device has no moving parts and utilizes hydrostatic technology incorporating a pressure transducer to measure the height of liquid.

*Contact Liquid Level Solutions for non-linear and odd-shaped tank applications.

Specifications

Liquid Types	Variety including diesel, kerosene, fuel and water
Mechanical	
Enclosure	30% glass filled nylon
Gland	Nylon
Sensor tube	Polyurethane
Sensor body	316 stainless steel
Retaining clip	304 stainless steel
Wetted seals	Viton (FKM)
Dimensions	
Probe length	Min 400mm, Max 4000mm (fuel) Min 400mm, Max 3500mm (water)
Threads	½" BSPT, 1" BSPT, ½" NPT
Flange option	SAE 5 hole
Electrical	
Supply voltage	9-32VDC (Voltage output), 18-32 VDC (Current output) 80VDC overvoltage protection, reverse polarity
Supply current	30mA
Connections	4 Way Delphi Packard Metri-Pack 150 Series
Outputs	
Voltage	Voltage source 0-5VDC or 0-10VDC, 10mA max source
Current	4-20mA or 20-4mA. Max 250Ω load.
Accuracy	±1.6 % for 2000 mm fluid depth @ 25 °C
Alarm output	Switch to ground. Max 100 mA. Default setting is 12.5% of full level. Minimum 50 mm from sensor end.
Environmental	
Temperature	-20°C to +85°C (-4°F to +185°F)
Sealing	IP67
Vibration	4.3 GRMS BS EN 60068-2-27:1993
Weight	300g (1m long sensor)



Pinout	
Red (Pin D)	V+
Black (Pin A)	Ground
Yellow (Pin C)	Signal Output
Blue (Pin B)	Low level alarm