Liquid Level Solutions LLS350 Series Liquid Level Sensor

The LLS-350 Series provides a continuous level measurement of tank contents and offers a choice of voltage, resistance or 4-20 mA outputs. The dual probe design allows the sensor to continuously self calibrate and detect, for example, different fuels, and will recalibrate the output to compensate for differing dielectric constants. Therefore, if a tank is filled with conventional diesel and then bio-diesel, the sensor automatically calibrates to give a corrected output without the need for the user's intervention.

Specifications

Liquid Types

Diesel, biodiesel, kerosene, petrol, water and others

Mechanical

Housing Sensor tube Wetted materials Die cast aluminum & stainless steel Anodized aluminum PTFE, polypropylene, Viton, aluminum & stainless steel

Dimensions

Probe length

Min 150mm Max 2000mm (static applications), 1500mm (dynamic)

9-32V DC, 80V over voltage protection

15mA @ 12VDC + output load

430mm long 18AWG flying leads

Electrical

Supply voltage Supply current Connections

Outputs

Resistive Resolution Dissipation Current: Resolution Max load Voltage

Resolution: Max load Accuracy

Alarm

Environmental

Temperature Sealing Max tank pressure EMC Vibration Shock Any value 3-500Ω 3Ω 250mW (maximum) 0-20mA, 4-20mA 20μA

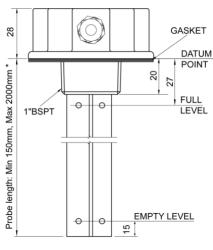
250Ω

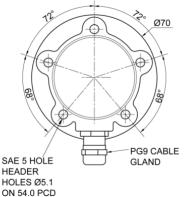
12VDC: Any range between 0-5V/5-0V
24VDC: Any range between 0-10V/10-0V
10mV
10mA source (dependent on min supply voltage)
2% of probe length @ 20°C (calculated in diesel)
*For probe lengths ≥300mm
Empty or full levels an be set within measurement range

-20°C to +85°C (-4°F to +185°F)
IP67
0.75 bar (10 psi)
In accordance with EN ISO 13766:2006
500mm sensor type tested to 1.88grms to BS EN
60068-2-64:1993
500ms ² , 11ms to BS EN 60068-2-27:1993

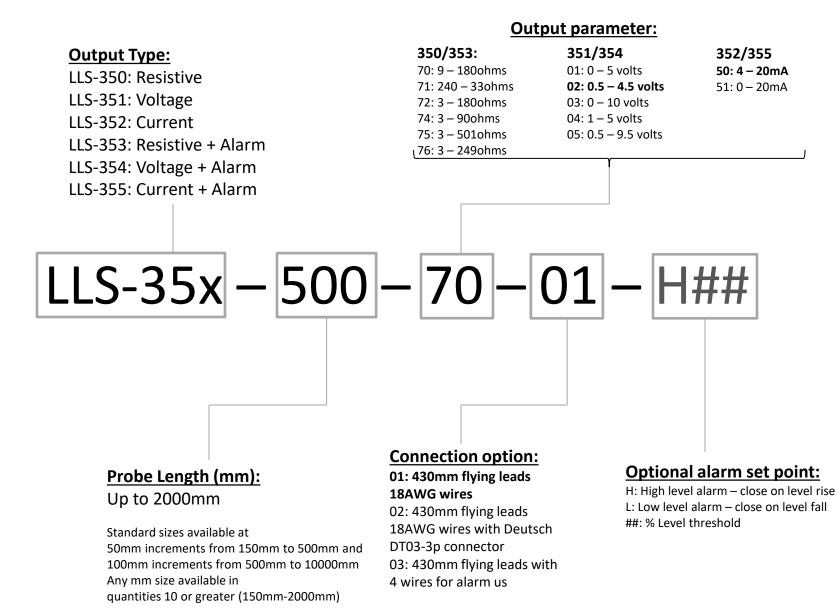
Model No	Output
LLS350	Resistive
LLS351	Voltage
LLS352	Current
LLS353	Resistive & alarm
LLS354	Voltage & alarm
LLS355	Current & alarm

Pinout	
Red	V+
Black	Ground
Green	Signal Output
White	Alarm (Optional)





LLS-35x Series Part Number Configurator



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