TECHNICAL DATA

T/LL360 Liquid Level Sensor Extended Temperature Range

The **Model T/LL360** is an extended temperature range variant of the T/LL350 series of highly advanced sensors for continuously measuring the contents of a tank. Capable of operating at temperatures as low as -40°C the T/LL360 series auto compensates when a liquid with a different dielectric constant is used. For example, if it is used in a tank of conventional diesel, the user can refill with biodiesel and the sensor will correct the output level automatically.



Die cast aluminium & stainless steel

Max 2000mm static applications &

1000mm for mobile applications

15mA@12Vdc + output load

Any values between 0-5V/5-0V

Any values between 0-10V/10-0V

-40°C to +85°C (-40°F to +185°F)

300g (10oz) (1000mm long unit)

fluorosilicone, aluminium & stainless steel

9-32 VDC with 80V over voltage protection

430mm long 18AWG XLPE flying leads#

Any values between 3-500Ω or 500-3Ω (3Ω Steps)

250Ω (Including interconnecting cable resistance)

10mA source (dependent on minimum supply voltage)

Type approval in accordance with EN ISO 13766:2006

500ms⁻², 11ms to BS EN 60068-2-27:1993

500mm sensor type tested to1.88grms to BS EN 60068-2-64:1993*

±2.0% of probe length @ 20°C (+68°F) in diesel (For probes lengths 300mm and above)

PTFE, polypropylene, FVMQ,

Anodised aluminium

Min 150mm

3Ω 250mW

20µA

10mV

IP67

0.75 bar (10 psi)

0-20mA, 4-20mA

Options include a high/low level alarm point, fitment of any suitable connector and compensation for non-linear shaped tanks.

SPECIFICATION

Liquid Types

Diesel, biodiesel, kerosene, petrol, water or any liquid which is compatible with the materials of construction.

Construction

Housing: Sensor tube: Wetted materials:

Dimensions

Probe length:

Electrical

Supply voltage: Supply current: Connections:

Outputs

Resistive: Resolution: Max dissipation: Current: Resolution: Max load: Voltage: 12VDC system: 24VDC system: Resolution: Max Load: Accuracy:

Environmental Ratings

Operating Temperature: Sealing: Weight: Max tank pressure: EMC: Vibration: Shock:

Options Alarm:

Custom empty/full points: Non-linear Tanks:

#Connections:

 Specific empty and full levels can be provided within the allowable measurement range of the probe. Compensation for non-linear tank shapes available.
Any suitable customer specified connector can be fitted. Terminated wire ends should be fitted with suitably sealed connectors to maintain specified IP rating.

point can be set between 7% and 90% of measuring range (hysteresis 5%). Max load: 100mA.

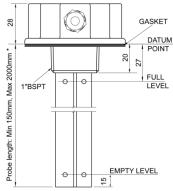
One position at either high level (switch to ground above level) or low level (switch to ground below level). Switch

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Due to 3Ω resolution, accuracy of resistive output variants is specified accuracy $\pm 3\Omega$.

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SAE 5 HOLE HEADER HOLES Ø5.1 ON 54.0 PCD



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INNOVATION IN SENSORS

* Up to 1000mm in mobile applications or up to 2000mm in static applications.

Model Variant Table	
Model No	Output
T/LL360	Resistive
T/LL361	Voltage
T/LL362	Current
T/LL363	Resistive + alarm
T/LL364	Voltage + alarm
T/LL365	Current + alarm

* Vibration Testing	
Frequency	G2/Hz
10	0.005
150	0.020
220	0.010
350	0.002

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