# **G/LL65 Liquid Level Contents Gauge**



HEX 63.5 A/F



The **G/LL65** vertical spiral gauge is a mechanically operated liquid level gauge with a local display and two electrical outputs. Suitable for connection to a typical controller or remote level indicator the outputs are; a variable resistance proportionate to the liquid level and a volt-free switch to trigger an alarm when the liquid reaches a prescribed level.

To avoid a potential leak path, the gauge features a magnetic coupling between the float driven spiral and the level indicator.

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## **SPECIFICATION**

### **Liquid Types**

Liquids compatible with the construction materials, typically fuels, oils and water.

#### **Dimensions**

Length: Min. 150 mm, Max. 1200 mm. Thread: 1½" BSPT or 1½" NPT.

Weight: 0.36 Kg (Gauge Length, A = 600 mm)

#### **Materials**

Header:30% Glass Filled Nylon 66.Guide Rail:Anodised 6005-T5 Aluminium.End Cap:30% Glass Filled Nylon 66.End Cap Screw:A2 Stainless Steel.Spiral:316 Stainless Steel.

Spiral: 316 Stainless Steel.
Float: Polypropylene.
Dial Capsule: Polycarbonate.
Leads: XLPE Sheathed.

#### **Electrical**

**Supply Voltage:** 9-32 VDC. **Supply Current:** 15 mA @ 12 VDC.

**Supply Protection:** Over voltage 80 VDC for 2 minutes. Reverse polarity.

**Connections:** 4-off 500 mm long 18AWG leads:

Red	Supply, V+
Black	Ground (0V)
Green	Signal, Ω
White	Switch to ground

**Resistive Output:** Between 3-750  $\Omega$  or 750-3  $\Omega$ .

Resolution 3 Ω. Max. dissipation 250 mW.

**Alarm Output:** Switch to ground. Max 100 mA.

High or low level between 10% and 90% of gauge length. Default setting: low level alarm at 12% of gauge length,

Minimum 10 mm travel from end-stops.

### **Environmental Ratings**

Designed to meet:

Ingress: IP67.

Operating Temp: -20 °C to 80 °C.

Max tank pressure: 1 bar.

**EMC:** Type approval in accordance with EN ISO 13766:2006.

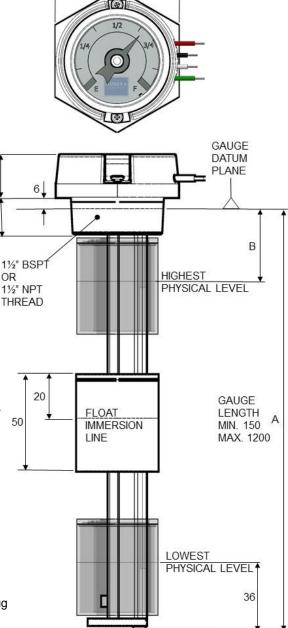
**Vibration:** 1.88 Grms BS EN 60068-2-4:1995.

**Shock:** 500 m·s<sup>-2</sup>, 11 ms, BS EN 60068-2-27:1993.

**Options** 

**Connector:** The G/LL65 can be supplied with any suitable style of plug

or receptacle.



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