Rochester Sensors
AN AMPHENOL COMPANY
Engineering Innovative Solutions™

G/LL65 Liquid Level Contents Gauge



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.

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.
Float: NBR Foam.
Dial Capsule: Polycarbonate.
Leads: XLPE Sheathed.

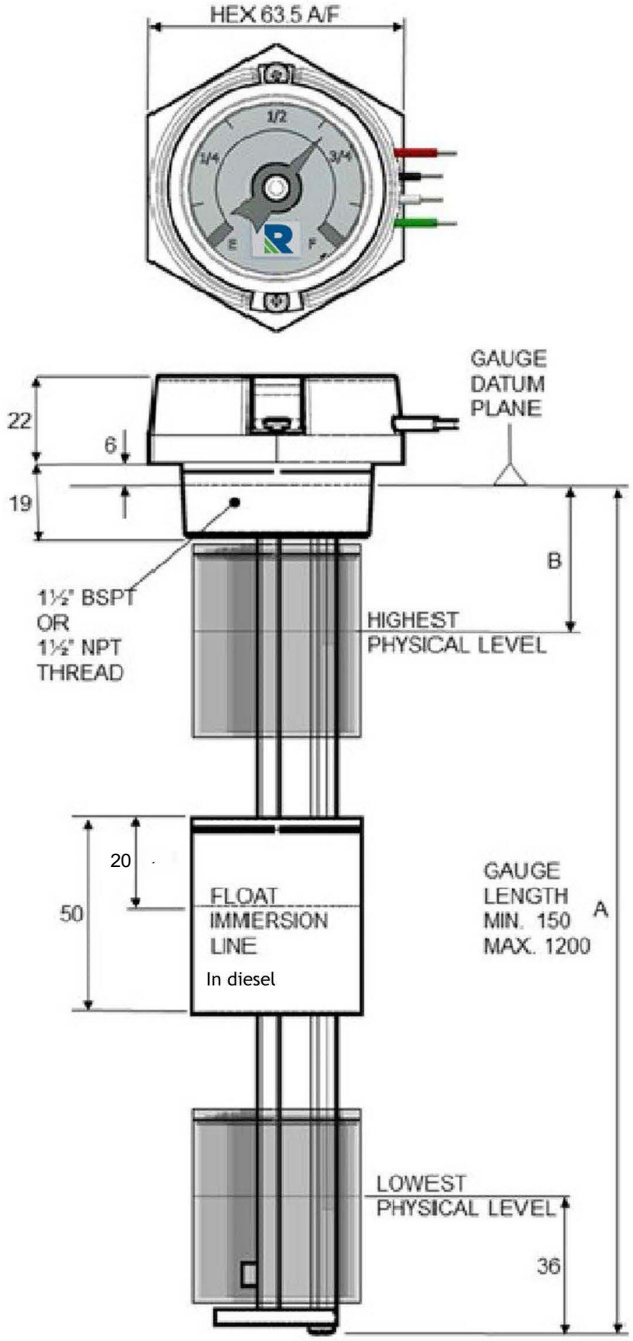
Electrical
Supply Voltage: 9-32 VDC.
Supply Current: 15 mA @ 12 VDC.
Supply Protection: Over voltage 80 VDC for 2 minutes. Reverse polarity.
Connections: 4-off 500 mm long 18AWG leads:

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

Resistive Output: Between 3-750 Ω or 750-3 Ω.
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.
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 $m \cdot s^{-2}$, 11 ms, BS EN 60068-2-27:1993.
Temperature: -40°C to 70°C

Options
Connector: The G/LL65 can be supplied with any suitable style of plug or receptacle.



RoHS COMPLIANT

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