COLM G/LL65

Application

The COLM (COntec Level Measurement) G/LL65 vertical spiral gauge is a mechanically operated liquid level indicator with visual indication and two electrical outputs. The output is suitable for connection to typical controls or remote indicators and consists of a variable resistor proportional to the liquid level and a volt-free switch that triggers an alarm when the liquid level reaches a certain level.To avoid potential leaks, spiral gauge uses a magnetic coupling between the floating drive screw and the level indicator.

Specifications

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: 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 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.

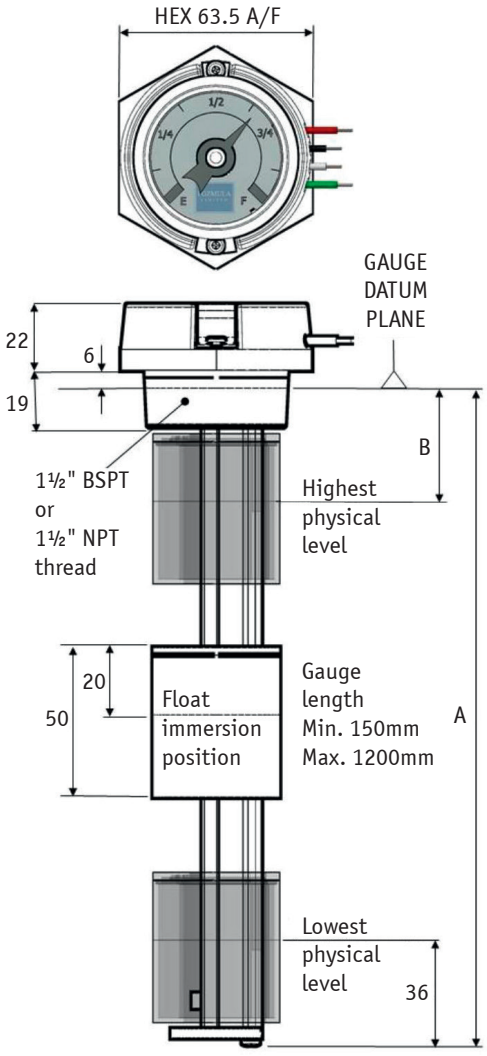
Options

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

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-2, 11 ms, BS EN 60068-2-27:1993



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