



Key Features

- No Moving Parts
- High Accuracy
- Race Proven
- Thermally Stable
- Fully Submersible
- Lightweight
- Fully Configurable Output
- Individually designed

Specialist applications within or associated with the engine or chassis require specialist compact sensors that will operate in extreme environments. Gill has extended its M-series liquid level sensor range and produced the specialist range to meet these requirements.

Applications such as engine catch tank, brake fluid reservoir, swirl pot and gearbox oil level installations are typical examples of the range of sensors Gill is requested to design and produce. Often the design will result in miniature, bespoke solutions for mainly an oil based medium for either race car or development use.

Please contact Gill with your specialist level sensor requirements.



Specification

Electrical

Supply Voltage	+6VDC to +24VDC
Supply Current	<10mA @12V
Serial Interface	RS422 (internal)
Resolution	10 bit
Sample Rate	10Hz - 80Hz

Analogue Output

Voltage Output Range	0.25V - 4.75V over sensing range or customer specified, fully configurable
Range Accuracy	±0.5% of fuel depth @20°C

Wiring

Wire/Connector	Customer Specified Flying lead or integrated connector of customer choice or combination
Wiring Gauge	Typically 26 AWG (options up to 20 AWG if requested)
Cable Material Compatibility	Wiring sleeved with Fluorocarbon or Raychem DR25, or customised to customer specifications

Mechanical

Probe Length	Customer to specify
Mounting	Customer Specified, various standard options available
Weight	From only 25g (dependant on design)

Environmental

Protection Class	IP68
Operational Temperature	0°C to 125°C
EMC Immunity Level	SAE J1113/2 1996 design guideline
Vibration	15g RMS (24-2000Hz) & SAE J1455 design guidelines used
Finish	Anodised to DEF STAN 025

Fuels

Compatible Medium	Race Petroleums Gasoline Mineral & Synthetic Oils
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