

9402 SERIES GUIDED WAVE RADAR II (GWR II)



The 9402 series is a range of highly advanced Guided Wave Radar Sensors, which includes the GWR II for continuously measuring the liquid contents of a tank. The GWR II technology uniquely provides high resolution measurements from an industrial sensor without moving parts and remains unphased by variations in liquid properties.

Importantly, in an advancing world with new liquid fuel technologies, this forward-thinking sensor accurately measures a large range of fuels in standard form without recalibration. Where engines are designed to run on multiple fuel types, such as Diesel / Bio Diesel / HVO, you can rely on the GWR II to support your application with an accurate liquid level whatever is in your tank.

The robust, low-profile design makes the GWR II ideal for a wide range of static applications where reliability is paramount.



SPECIFICATION

Liquid Types

Diesel, Biodiesel, HVO, Kerosene, Petrol, Water, or any liquid which is compatible with the materials of construction

Construction

Housing	Die cast aluminium with level III anodisation
Sensor Tube	304 SS
Wetted Materials	Anodised aluminium, 304 SS, Acetal, Viton

Dimensions

Probe Length	Min 200mm, Max 3000mm
---------------------	-----------------------

Electrical

Supply Voltage	9 – 32 VDC
Supply Current	35 mA average @ 9 VDC input
Reverse Polarity Protection	60 V
Average Power Consumption	400 mW
Connections	610mm long 3-wire flying lead*

Output

Voltage	0.5 - 4.5 VDC or 0 - 5 VDC
Current	4-20 mA

Performance

Accuracy	+/-3% Active Length
Resolution	< 2mm

Environmental Ratings

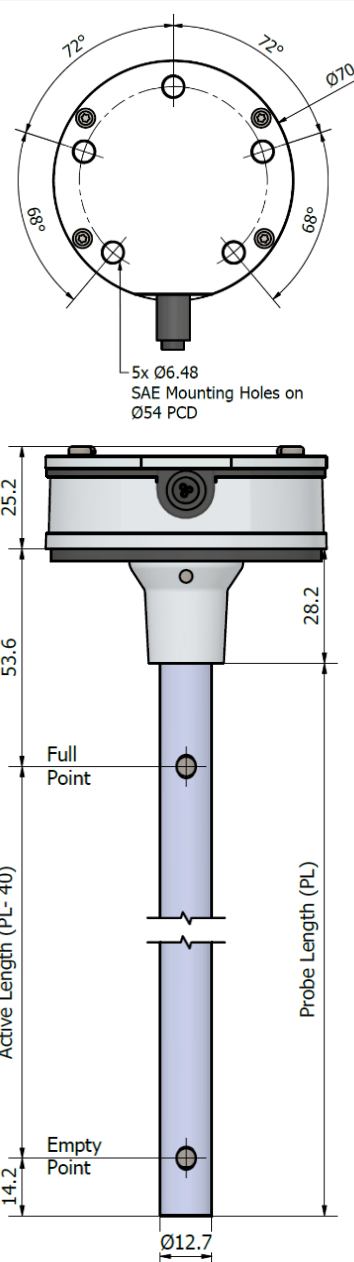
Operating Temperature	-40°C to +85°C
Sealing	IP6K9K
Max Tank Pressure	15 PSI

Options

Accessories	Threaded adaptors available
--------------------	-----------------------------

*Connections

Any suitable customer specified connector can be fitted. Terminated wire ends should be fitted with suitably sealed connectors to maintain specified IP rating.



*Dimensions are for reference only