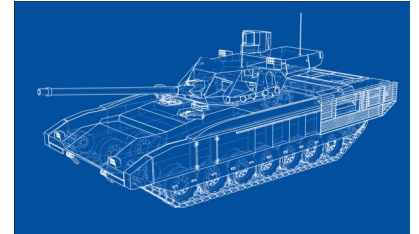


Military Grade Liquid Level Sensing

Robust, reliable liquid level sensor for defence applications

Background

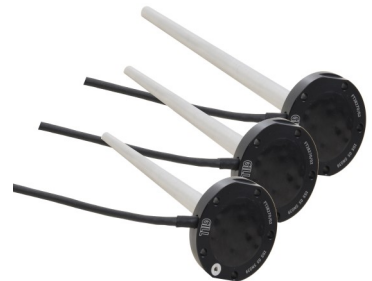
Systems supplied for use in military environments must not only be reliable and long lasting, but they must also be durable and able to withstand heat and vibration without faltering. Whether installed on a combat vehicle or an armoured personnel carrier it is vitally important to always know the accurate fuel level to ensure ongoing operational safety. It can even warn of equipment reliability issues by tracking coolant and oil levels too.



Challenge

Sourcing equipment that has been designed with defence use in mind is difficult. Military vehicles need rugged, long-lasting sensors that perform without missing a beat even when in the presence of significant shock and vibration. When used in mobile applications, vehicle movements can cause reading issues for lesser liquid level sensors, and this is why capacitive contact sensors are used, delivering stable readings without the sensor dead-zones that plague some non-contact sensors. Using the highest quality materials, these liquid sensors are relied on by defence customers to deliver consistently, no matter the conditions.

Gill sensors have been used on tanks, demonstrating their suitability for use in the military environment.



Solution

Gill *LevelDefend* capacitive liquid level sensors have been designed and used in defence applications. These include installations within fuel systems in military vehicles qualified to stringent DEF STAN / MIL STDs.

Manufactured from high quality aluminium, the sensor features fully enclosed solid state electronics for uninterrupted stable sensor output. There are no moving parts to regularly maintain and the sensor comes pre-calibrated and ready for use. Gill products come with long term manufacturer support backed up by a dedicated team of experts to provide total confidence when used in defence applications.

LevelDefend

Quality tested to IP67 rating.
Available for tank depths up to 1000mm deep, 4-20mA analogue communication.

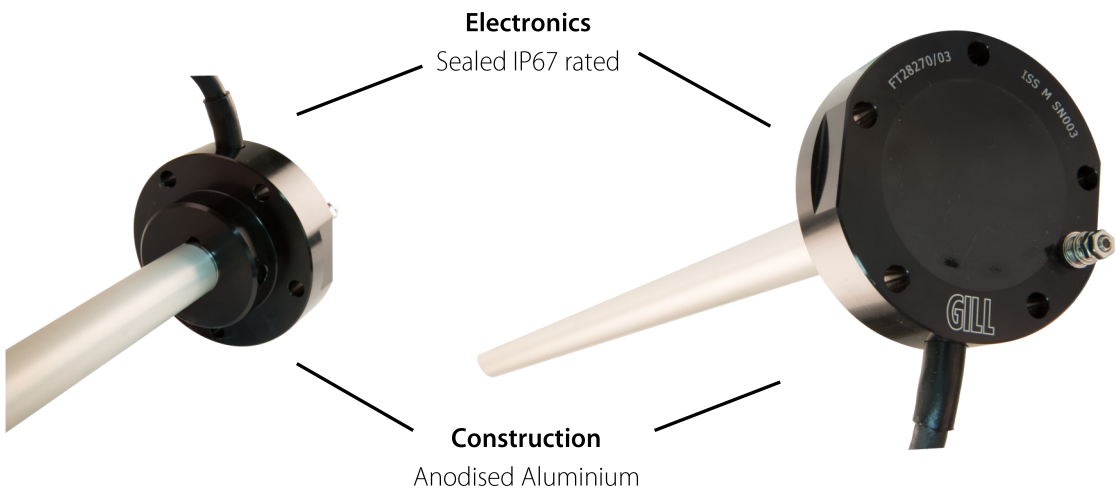
LevelDefend

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Application Note

PRODUCT FOCUS



DETAILS (SUMMARY)

Probe Length Options	100mm—1000mm
Sensor Electrical Output	4-20mA
Mounting	SAE 5-Bolt
Cable	26AWG, 500mm

ORDERING

Please contact us to discuss your requirements using the following product reference

4128-00-060 -

X	X	X	X
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Length (mm) 100—1000

For more information about LevelDefend please contact Gill Sensors & Controls.

gillsc.com

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