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SENSORS FOR DEFENCE

• Vehicles • Power-generation • Hydraulic Systems

Liquid Level and Temperature Sensors



T/LL3xx multi-fuel capacitance type level sensor.

COTS SENSORS SPECIFIED FOR DEFENCE ENVIRONMENTS:

- Extreme temperatures.
- Shock and vibration.
- Dust, dirt, water ingress.
- Electromagnetic radiation.
- Defence grade fuels, oils & hydraulic fluids.

www.fozmula.com



T/LL70 vertical float switch with integrated temperature sensor.



Liquid level monitoring with integrated temperature sensing

With an integrated thermistor, a Fozmula float switch is used to monitor the level and temperature of oil in the hydraulic system for a Multi-Role Armoured Vehicle (MRAV).

Image source: ISAF Headquarters Public Affairs Office



A Fozmula T/LL2xx series sensor is used to monitor the level and temperature of the hydraulic oil in the critical door closure mechanism of an armoured personnel carrier.

Image: Crown Copyright



T/LL2xx hydrostatic level sensors with integrated temperature sensor.

Shallow & space constrained fuel tanks

The T/LL17x delivers accurate level measurement in shallow tanks – ideal for vehicles where the 'V' shaped hull and other space constraints call for innovative methods of storing fuel.



T/LL17x capacitance type fuel level sensor.



Image: Crown Copyright

Multi-fuel applications

T/LL3xx capacitance type liquid level sensors auto-compensate for changes in the liquid's dielectric constant. Ideal for multi-fuel applications, they are fitted to a number of defence generator sets and vehicles including an armoured personnel carrier that uses the same part number to monitor fuel, hydraulic oil and water levels.



Image source: US Army



T/LL3xx multi-fuel capacitance type level sensor.

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