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T/LL140 Intelligent Capacitive Sensor

Fozmula's new 'intelligent' capacitance sensor gets the measure of fuel levels.

Maintaining its reputation as one of the most innovative manufacturers of fuel sensors and switches, Leamington Spa based Fozmula has now developed its advanced T/LL140 'intelligent' capacitance sensor.

The brilliant new T/LL140 is uniquely designed to answer the demands for a more flexible and efficient method of measuring fuel levels where both the types and qualities of fuel and fuel tank configurations make conventional measuring devices awkward or just difficult to use.

There are no moving parts because liquid depth is measured by changes in capacitance, governed by the unit's inbuilt intelligence, which enables it to self calibrate, in situ, and to function equally effectively with bio or red diesel fuel alternatives or with fuel additives. And, of course, with such clever technology, it is perfectly suited for telemetry applications which monitor remotely the contents of the fuel tank. This can then calculate fuel usage and detect any sudden loss.

The T/LL140 is not only clever, it is also extremely versatile. Designed and manufactured to a high specification it offers ease of maintenance characteristics and can be deployed in demanding operating environments including off-road and rough-terrain vehicles and boats, industrial machinery, compressors, generating sets, awkwardly situated static fuel tanks and mobile lighting towers.

Furthermore, the sensor can output its signal in resistance, voltage or PWM mode to suit the engine management system.

One of the primary features of the T/LL140 is its sensor stem which can be cut by the user to suit individual tank requirements. The cut-to-length concept may seem simple, yet the overall benefits, such as reduced stocking levels, makes this a very desirable, efficient and truly effective sensor in a massive market that demands this kind of technology with this kind of practicality.

Intended to be many things to as many design engineers as possible, the T/LL140 also includes the option to use fuel feed and return pipes. These can be fitted with customer specified tube diameters and fixed or swivel type tube fittings.

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