

# SENSORS FOR Liquid Level

- ✓ OEM
- ✓ CUSTOM
- ✓ QUICK TURN CAPABILITIES



# PRODUCTS AND APPLICATIONS

## T/LL130 Capacitance Type Liquid Level Sensor



- Vertically mounted liquid level sensor for continuous monitoring of fuels or coolants in aluminium, plastic, and stainless-steel fuel tanks.
- Optional variants include resistive match or voltage outputs with mounting options at 1/2", 1" NPT, 1/2", 1" BSPT.
- Optional 5-hole SAE flange and mating connector kits.
- Solid state, no moving parts to stick or break.

## T/LL155 Capacitance Type Fuel Level Sensor



- Fuel level sensor with 5-Hole SAE mounting and low profile header.
- Can be cut-to-length and calibrated to suit fuel tank, making it versatile for all applications.
- Simple and clear calibration facility includes LED to indicate successful calibration.
- Voltage, resistance, or current output options.
- Solid state, no moving parts to stick or break

## T/LL350 Capacitance Type Liquid Level Sensor



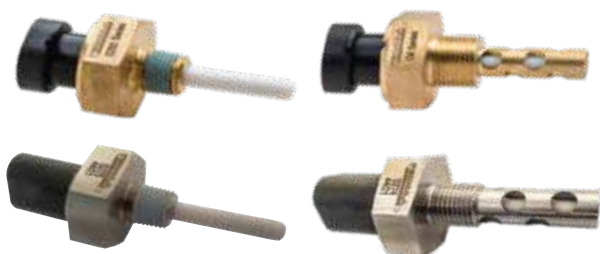
- Capacitance type liquid level sensor that continuously monitors liquid level.
- Smart sensor that detects and compensates for a change in liquid dielectric, e.g. biodiesel instead of conventional diesel, to provide accurate output of liquid level.
- Voltage, resistance, or current output options.
- Solid state, no moving parts to stick or break.

## T/LL4XX Extended Temp. Range Oil/Coolant Level Sensor



- Compact and robust advanced capacitance sensor to continuously monitor oil/coolant level.
- Configurable voltage output or CAN J1939.
- Accurate and repeatable over extended temperature range.
- For use in automotive off highway and industrial applications.
- Solid state, no moving parts to stick or break.
- Additional Temperature output available

## Coolant and Oil Level Switches



- Capacitance type coolant and oil switches are solid state so no moving parts to stick or jam.
- Protect engines from damage due to lack of coolant or oil.
- Designed, developed, tested and approved for use in highly demanding OEM vehicle applications.
- Low conductivity fluid versions available.

## T/LL200 Hydrostatic Level Sensor



- Hydrostatic type sensor for continuous level monitoring in vented tanks up to 10m depth.
- Threaded mounting (1/2" , 1" BSPT, 1/2", 1" NPT) with SAE 5-hole flange option.
- Linear Voltage or Current outputs and optional mating connector kits.
- The T/LL25X version can be customer calibrated to suit different fuel tank sizes, making it versatile for every installations.

## 9400 Guided Wave Radar Liquid Level Sensor



- Highly accurate, cost-effective and durable.
- Digital and analogue output options.
- Configurable to detect interface level of dissimilar liquids.
- Ideal for fuels, chemicals, water, coolants, lubricants, and other liquids.

## Top Mount Spiral Gauges



- Ideal for monitoring water, oil, or fuel levels.
- Tank pressures of up to 25 PSIG (1.7 Bar) and UL Listed for flammable liquids.
- Factory built for tanks up to 36" (1200mm) deep.
- Resistive or voltage output options available.

## 9800 Top Mount Reed Switch Probe



- SAE 5-hole top mounting sensor for aluminium, plastic, or stainless-steel tanks.
- Tanks depths up to 24" (609.6mm) for monitoring gasoline, ethanol, diesel, biodiesel, or water.
- Stainless Steel construction for harsh off road and marine conditions.

## 6500 Series Liquid Level Gauge



- Geared or lever action level gauge with magnetically coupled sealed capsule.
- Optional TwinSite capsule with resistive or voltage outputs.
- 4-hole flange for top, angles or centerline mounting.
- Adjustable length version available.

## Water-in-Fuel Sensors



- Senses water in diesel fuel filter assembly by measuring capacitance levels.
- Completely sealed design (no exposed probes or leads) for leak-free operation.
- Integrated IP67 Ampseal-16 for water-tight electrical connection.
- Available with or without drain function.



# Sensor Solutions for Every Market!

## Power Generation



## Off-Highway



## Marine



Truck / Bus



## Manufacturing Capabilities

- Assembly
- Ultrasonic Welding
- TIG, Plasma, Resistance & Spin Welding
- Machining
- Stamping
- Soldering
- Laser Etching and Marking
- Specialized Metal Working
- Electrical and Mechanical Product Calibrating
- Vacuum Leak Testing
- High Pressure Leak Testing
- Cleaning for Cryogenic Applications
- Overmolding
- Surface Mount and Through-hole Assembly/Test

## Research, Development & Engineering Capabilities

- 3D modeling, Stress Strain, Vibration, Fatigue, Thermal, Mold Flow and RF/Electromagnetic Simulation — SolidWorks, AutoDesk Inventor, AutoCAD
- Schematic Capture, Simulation and PCB Layout — Proteus Design Suite
- Customization and Application Configuration
- Prototyping — 3D printing, 5-axis CNC machining, Stamping, Milling, Welding, Soldering, Brazing, PCB fabrication, Through hole and SMT assembly
- Testing — EMI, Thermal, Vibration, Shock, Pressure, Vacuum, Electrical, Functional life cycle, HALT, IPX6K/IPX9K, IK (impact), Salt fog/spray, and Chemical compatibility

## Certifications

- Facilities are ISO 9001:2015 registered
- Warwick facility is also ISO 14001:2015 registered
- DLLS: ISO 9001:2015, ISO/IEC 80079-34:2018 (i.e. ATEX)
- CDMX: ISO 9001:2015, ISO/IEC 80079-34:2018 (i.e. ATEX)
- WRWK: ISO 9001:2015, ISO 14001:2015
- BRSS: ISO 9001:2015
- SHNN: ISO 9001:2015 ISO/IEC 80079-34

## WORLDWIDE FACILITIES

### NORTH AMERICA

#### DALLAS, TEXAS

11616 Harry Hines Blvd.  
Dallas, TX 75229, USA

#### Shipping

11637 Denton Drive  
Dallas, TX 75229, USA  
Local +1(972) 241-2161  
Toll Free +1(888) 724-0778  
Fax +1(972) 845-7857 main

#### Customer Service

Toll Free +1(888) 723-5549

### NORTH AMERICA

#### MEXICO CITY, MEXICO

Medidores Internacionales  
Rochester SA  
Calle 26-A no. 6  
Parque Industrial Vallejo  
San Pablo Xalpa, Tlalnepantla,  
Estado de México, C.P. 54170  
Tel. +52-55-3003-0970  
Fax +52-55-3003-0985

### ASIA

#### SHANGHAI, CHINA

Rochester Gauges (Shanghai) Co. Ltd.  
Section D, Floor 4, Building #15  
#69 Xiya Road  
China (Shanghai) Pilot Free Trade Zone  
Shanghai, China 200131  
Tel. +86-21-5046-3933, 5046-1110  
Fax +86-21-5046-3700

### EUROPE

#### BRUSSELS, BELGIUM

6, Avenue Lavoisier  
B1300 Wavre, Belgium  
Tel. +32-10-24-1010  
Fax +32-10-22-8139

#### WARWICK, UK

Hermes Close,  
Tachbrook Park,  
Warwick,  
CV34 6UF,  
United Kingdom  
Tel. +44(0) 01926 466700

#### Shannon, IRELAND

Unit 118,  
Shannon Free Zone,  
Co. Clare,  
V14 XY18,  
Ireland  
Tel. +353(0) 61 471511

