



Application

The COLM (COntec Level Measurement) liquid level sensor type T/LL 130 is designed for use in water, coolant or fuel/oil tanks and provides a variable resistive, voltage or PWM (Pulse Width Modulated) output suitable for driving industry standard fuel gauges or connecting into PLCs. The device has no moving parts and can be mounted at any angle as long as it covers the whole depth of the tank. An optional manual calibration feature is available.

Specifications

Probe length:	Min. 200 mm, max. 2.000 mm
Fluids:	Compatible with 316 St/St, Nylon 6, PTFE & Nitrile rubber. Not suitable for fuels which contain Toluene.

Electrical Data

Supply voltage:	7-35 Vdc
Operating frequency:	8.3 kHz
Lastimpedanz:	100 - 10.000 Ohm
Warning output:	ON ... 1/8
Connections:	4 way Delphi Packard connector
Supply current:	approx. 15 mA @ 12 VDC
Output signal:	0-250 Ω or 250-0 Ω 0-5 V or 5-0 V
Linearity:	1%
Accuracy:	± 2.0 % of total probe length

Environmental Ratings

Temperature:	
Operating:	-40 °C to +85 °C, (-104 °F to + 185 °F)
Storage:	-55 °C to +100 °C, (-131 °F to + 212 °F)
Vibration:	BS EN 60068-2-64:1993 (15.3 grms)
Sealing:	IP 67
Shock:	50 g 6.3 mS
Max. tank pressure:	2.0 bar [29 psi]

Technical Data

Model	Output	Manual calibration
T/LL 130	Resistive	No
T/LL 131	Voltage	No
T/LL 132	PWM	No
T/LL 133	Resistive	Yes
T/LL 134	Voltage	Yes
T/LL 135	PWM	Yes



Material of Construction

Enclosure:	30% glass filled Nylon 6
Sensor tube:	Stainless steel 316
Internal Electrode:	PTFE covered stainless steel
Wetted Seals:	Fluorosilicone rubber

