

T/LL140 Series Fuel Level Sensor



The T/LL140 series is a range of SAE 5 Hole mounted sensors for continuously measuring the contents of a fuel tank providing a factory set variable resistive or voltage output.

The T/LL140 can be cut to length* and be recalibrated by the end user.

A low level alarm switches when the fuel drops below a predetermined level.

*Contact Rochester Sensors for shortening kit availability.

SPECIFICATION

Liquid Types

Liquids compatible with construction materials, typically diesel, biodiesel, kerosene, petrol. Not suitable for fuels with a high dielectric constant.

Dimensions

Drehe length	Min 200 mm may 1100 mm		(1.02'
Probe length:	Min. 200 mm, max. 1100 mm.	8	
Mounting	ensure probe end is above any containmants.	Ø44 (1.73")	1
Mounting:	SAE 5 Hole. 29 (1.14")		18 (0.71
Fleetwicel		FULL LEVEL O	E
Electrical			100
Supply voltage:	10-32 VDC.		lax 1
Supply current:	28 mA@12 VDC + output load.		Length: Min 200mm, Max 1100mm (Min 7.87°, Max 43.3°).
	: Over-voltage 80 VDC for 2 minutes. Reverse polarity.		200n /ax 4
Signal output:	Resistance range: $0-250 \Omega$ or $250-0 \Omega$.		Min 37", N
	Voltage Range: 0-5 VDC or 5-0 VDC, 20 mV steps, Max 10 mA source.		ngth: in 7.6
Alarm:	Switch to ground. Max 100 mA.		(M)
	Default setting 12.5% of full level.		-
	Minimum 30 mm from sensor end.	72	120
	Maximum 20 mm from full level.	1 1	$\rightarrow \land \land$
Connections:	500 mm long, 24 AWG flying leads. Optionally fitted with any suitable	+I.C	(X, Y)
	connector.	TOA	KAOTI
Performance		1 + + + + + + + + + + + + + + + + + + +	
Accuracy:	±3.0% of depth @ 20 °C (+68 °F).	\$ \ \X	1 / 8
-			PP//
Materials		VY	$\downarrow \uparrow \checkmark$
Enclosure:	30% glass filled nylon.	Ø70 (2.76")	/
Enclosure bush:	Polypropylene.		5 HOLES Ø5.1 (0.20")
Internal electrode	: Aluminium.		ON 54 (2.13") PCD
Sensor tube:	316 stainless steel.		
Internal spacers:	Polypropylene.	Model	Output
End plug:	PTFE.	T/LL140	Resistive
Wetted seals:	Viton (FKM) & nitrile.		
Gasket:	Nitrile.	T/LL141	Voltage
Cable:	Polyurethane.		
		Wire Colours	

Environmental Ratings

0				
Sealing:	IP67 (Assuming suitably sealed cable breakout).	Red:	V+ (Supply)	
Operating temp:	-20 °C to +85 °C.	Green:	V- (Ground)	
Shock:	50 g, 6.3 ms.	Yellow:	Alarm	
Vibration:	9.7 Grms BS EN 60068-2-64:1993.	Blue:	Signal out (V)	
Weight:	300 g (1 m long sensor).	Black:	Signal out (Ω)	
- 0		White:	Calibration	

8.6/34 Rev 3

PG7 CABLE GLAND

26 (1.02")

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