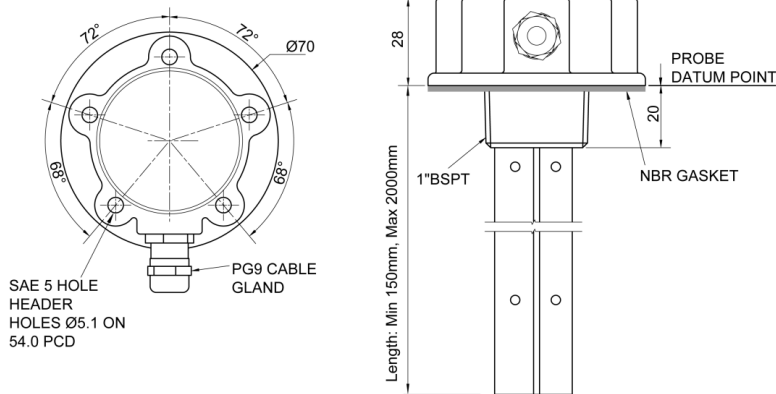


T/LL35X INSTALLATION INSTRUCTIONS



Model variant table	
Model No	Output
T/LL350	Resistive
T/LL351	Voltage
T/LL352	Current
T/LL353	Resistive + alarm
T/LL354	Voltage + alarm
T/LL355	Current + alarm

1. System Description:

The T/LL35X consists of a tank mounted electronics enclosure and a Twin capacitive probe made from an anodized aluminium extrusion. The sender output is specified by the customer and factory set during manufacture.

2. Output Options:

T/LL350 Emulated resistance Any range value 3 - 500Ω or 500 - 3Ω	T/LL351 Voltage 0-10VDC range (24V systems) 0-5VDC range (12V systems). NB max load on voltage output = 10 mA
T/LL352 Current Any range value 0-20 mA range (24V systems)	

Level Alarm output options with some configurations. Maximum load 100mA.

3. Mechanical Fixing:

1" BSPT, mounting thread or 5 holes SAE flange mounting. Guide the probe through the tank opening. Either secure the 5 off M5 bolts to a torque of 22Nm or thread into position on 1" BSPT thread to hand tight plus one quarter turn with a peg spanner

4. Environment:

Working Temperature Range: -40 to 85°C (-40oF to + 185oF)
Storage Temperature Range: -40 to 105°C (-40oF to + 221oF)
Electronics Enclosure IP Rating: IP67
Fluid Medium Water or fuels

5. Electrical Supply

Voltage Supply: 9-32VDC for Voltage Output, 18-32VDC for Current Output
Current Supply: Max 35mA at 24VDC

6. Electrical Connections

Electrical connectors are fitted as specified by the customer. For a standard unit, the convention used is given below.

Red wire: V+, Black wire: Ground (0V), Green wire: Signal

When an alarm is provided on the 4th wire: White wire: Alarm switch

Notes:

A minimum clearance of 20mm between the end of the probe and the bottom of the tank is recommended. Do not connect V+ supply voltage to the signal out pin ~ this may damage the sender electronics.