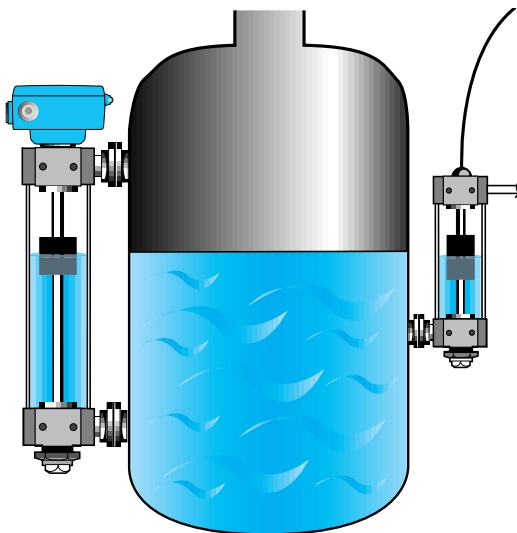


EXTERNAL MOUNTING LEVEL SWITCHES

External mounting, float operated level switches for level monitoring in vessels and containers.

- Side of tank mounting for use on:
 - Gearboxes
 - Bearing Housings
 - Fuel Tanks
 - Power Packs
 - Pressure Vessels
 - Boilers
 - Autoclaves
 - Sumps, etc.
- Available with 40mm or 60mm diameter float chamber.
- Suitable for use with water, lubricating oils, hydraulic oils and high viscosity oils.
- Up to 5 output contacts.



TX5801



40mmØ Float Chamber

**FOR GEARBOXES, SUMPS, SMALL TANKS & MACHINES.
MEDIUM VISCOSITY FLUIDS.**

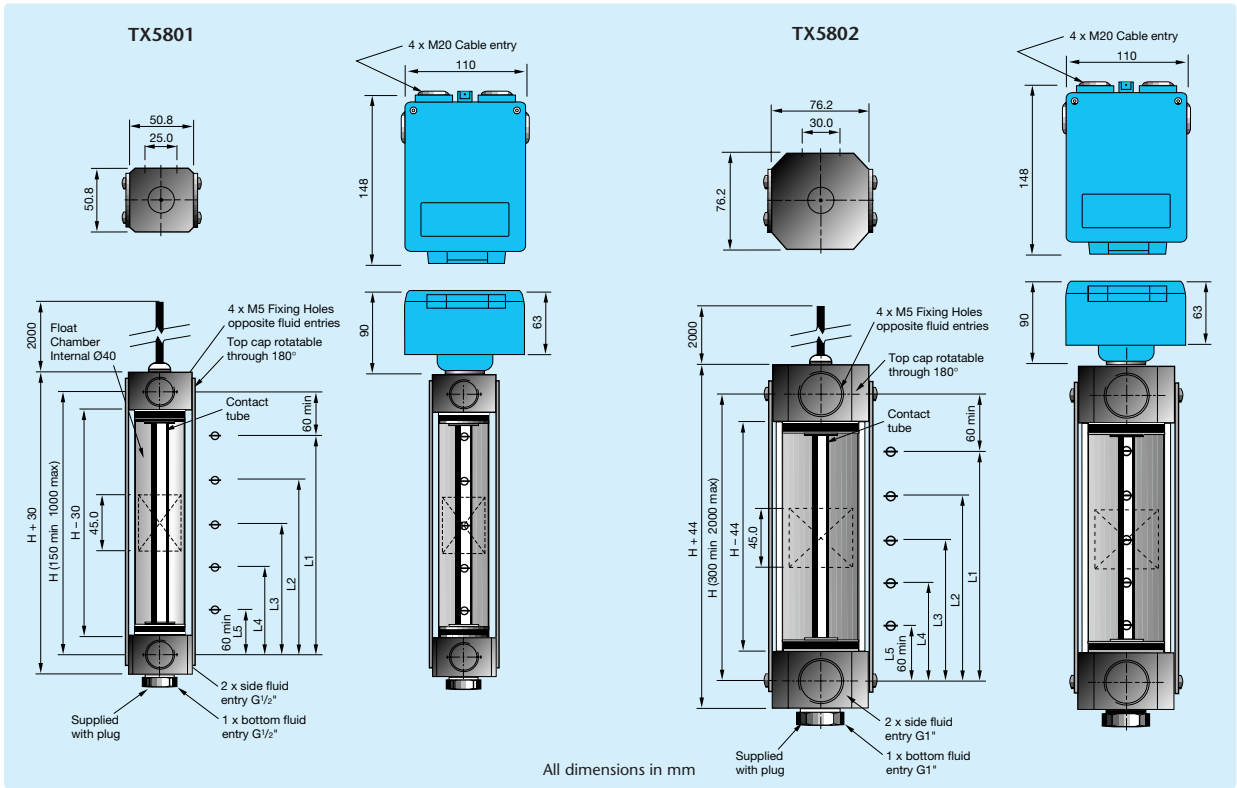
Ambient Temperature Limits:	-10 to 80°C with transparent float chambers. -20 to 120°C with stainless steel float chamber.
Maximum Static Pressure:	5 bar.
Switching Point Accuracy:	±3mm.
Mounting Attitude:	±30° from vertical.
Maximum Fluid Viscosity:	400 Centistokes (ISO 320).
Body Material:	Stainless steel 316.
Float Chamber Material:	Transparent acrylic, stainless steel 316 or toughened glass (for use with synthetic oils).
Terminal Housing Material:	Stainless steel filled Polyamide 6.
Protection Classification:	Dust and waterproof to IP66.
Electrical Connections:	
Flexible Cable:	2 to 6 core flexible PVC cable, 0.75mm ² x 2m.
Terminal Housing:	4mm barrier terminals.
Fluid Entry Ports:	G1/2".
Nett Weight:	3.5Kg.
Maximum Number of Contacts:	5 (sealed magnetic reed).
Minimum Spacing Between Adjacent Contacts:	65mm.
Height Between Entry Ports 'H' (Float Chamber Height):	150mm min – 1000mm max.
Contact Operation:	Close on RISING float or Close on FALLING float.

60mmØ Float Chamber




**FOR USE ON LARGE MACHINES, BOILERS, AUTOCLAVES & VESSELS.
HIGH VISCOSITY FLUIDS.**

Ambient Temperature Limits:	-10 to 80°C with transparent float chambers. -20 to 120°C with stainless steel float chamber.
Maximum Static Pressure:	10 bar with transparent float chamber, stainless steel float. 20 bar with stainless steel float chamber, stainless steel float.
Switching Point Repeatability:	±3mm.
Mounting Attitude:	±30° from vertical.
Maximum Fluid Viscosity:	500 Centistokes (ISO 460).
Body Material:	Stainless steel 316.
Float Chamber Material:	Transparent acrylic, stainless steel 316 or toughened glass (for use with synthetic oils).
Terminal Housing Material:	Stainless steel filled Polyamide 6.
Protection Classification:	Dust and waterproof to IP66.
Electrical Connections:	
Flexible Cable:	2 to 6 core flexible PVC cable, 0.75mm ² x 2m.
Terminal Housing:	4mm barrier terminals.
Fluid Entry Ports:	G1" or BS4504 flange.
Nett Weight:	5.5Kg.
Maximum Number of Contacts:	5 (sealed magnetic reed).
Minimum Spacing Between Adjacent Contacts:	65mm.
Height Between Entry Ports 'H' (Float Chamber Height):	150mm min – 2000mm max.
Contact Operation:	Close on RISING float or Close on FALLING float.

Dimensions



Floats

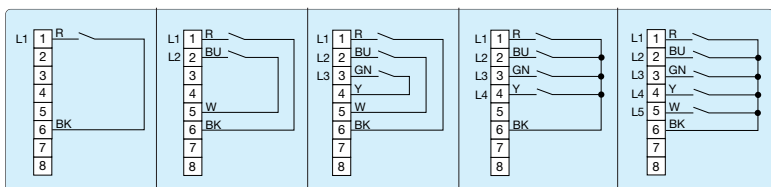
TX5801	TX5802	TECHNICAL DETAILS
		Material: Rigid Phenolic Foam. Maximum Temperature: 80°C. Maximum Pressure: 5 bar. Specific Gravity: 0.4. Rigid, closed cell, polyester foam for general purpose applications. Excellent resistance to oils, seawater, acids, alkalis and solvents.
N/A		Material: Stainless Steel 316. Maximum Temperature: 120°C. Maximum Pressure: 20 bar. Specific Gravity: 0.45. Electron beam welded and pressure tested. High impact strength, high temperature rating and high pressure tolerance with excellent chemical resistance. Food industry and petrochemical applications.

Electrical Details

Magnetic Reed Contacts: 240V ac
0.5 Amp
25 Watts.

N.B. Contact protection is recommended to ensure that these instantaneous ratings are not exceeded during peak in-rush or surge conditions.
Our Technical Applications Department will be pleased to assist with circuit applications.

Connections:


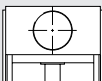


Order Reference

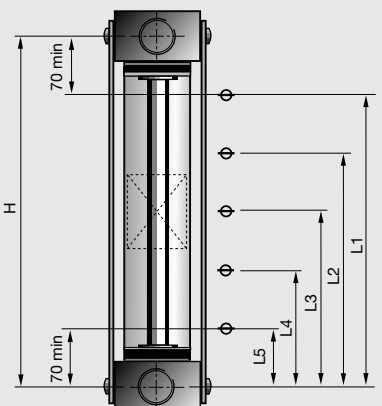
CUSTOMER	CONTACT
ORDER/ENQ. REF.	DATE

EXTERNAL MOUNTING LEVEL SWITCHES

PLEASE PHOTOCOPY THIS SECTION AND TICK YOUR REQUIREMENTS IN THE BOXES

TX5801		40mm FLOAT CHAMBER G1/2" FLUID ENTRY PORTS	
TX5802		60mm FLOAT CHAMBER G1" FLUID ENTRY PORTS	

ELECTRICAL CONNECTIONS	FLEXIBLE CABLE	11
	STAINLESS STEEL FILLED POLYAMIDE 6 TERMINAL HOUSING	12
FLOAT CHAMBER MATERIAL	TRANSPARENT ACRYLIC	21
	STAINLESS STEEL	22
	TOUGHENED GLASS*	23
TYPE OF FLOAT	RIGID PHENOLIC FOAM (TX5801)	32
	RIGID PHENOLIC FOAM (TX5802)	33
	STAINLESS STEEL (TX5802)	34
TYPE OF LIQUID (or specific gravity of liquid)		

CONTACT FORMAT	SWITCHING LEVEL	OPEN ON RISING	CLOSE ON RISING
 <p>Minimum spacing between adjacent contacts: 65mm</p>	L1 mm		
	L2 mm		
	L3 mm		
	L4 mm		
	L5 mm		
	H mm	Standard height H= L1+70mm. Please specify preferred height if greater than L1+70mm. *Maximum height for toughened glass float chamber = 1000mm.	