TL/E

LEVEL ELECTRICAL CHARACTERISTICS

The visual level gauges TL series allow the liquid level to be checked in a clear and precise way at any time.

PRINCIPLE OF OPERATION:

The principle used is that of communicating vessels: the liquid goes through the level gauge by means of hollow screws, showing the user the exact point inside the tank.

OPTIONS:

- C/C distance 76, 127, 254 mm interchangeable with almost every level visual marketing
- Body Transparent polyamide based TR 55 LX (Grilamid™) or polycarbonate.

CHEMICAL RESISTANCE:

The polymer used is a compound based on polyamide 12.

The **Top Level** electric visual level gauge offers visual signalling as well as a **minimum level electric signal** which can be N.O. or N.C. or EXCHANGE.

The many advantages include:

- just one purchase
- just one installation
- savings in costs and work
- total safety: the electrical part is completely separate from the liquid and insulated with respect to the outside.



ELECTRICAL CONTACT	SPST N.C. IN ABSENCE	SPST N.C. IN PRESENCE	SPDT		
ELECTRICAL CONTACT	12	12	2————1 3——		
ELECTRICAL CHARACTERISTICS					
POWER COMMUTABLE IN DC	40 W	20 W	20 W		
POWER COMMUTABLE IN AC	40 V.A.	20 V.A.	20 V.A.		
CURRENT STRENGTH IN DC - AC	2 A.	1 A.	1 A.		
COMMUTABLE VOLTAGE	230 VDC / VAC	150 VDC / VAC	150 VDC / VAC		
TEMPERATURE RANGE		- 20°C + 80°C			



TL/TE-TL/PE

CHARACTERISTICS OF LEVEL GAUGE WITH THERMOSTAT / PT 100

In addition to the electric level gauge, the Top Level can provide temperature signalling by means of a PT 100 (-50°C +150°C) or the insertion of a preset thermostat.

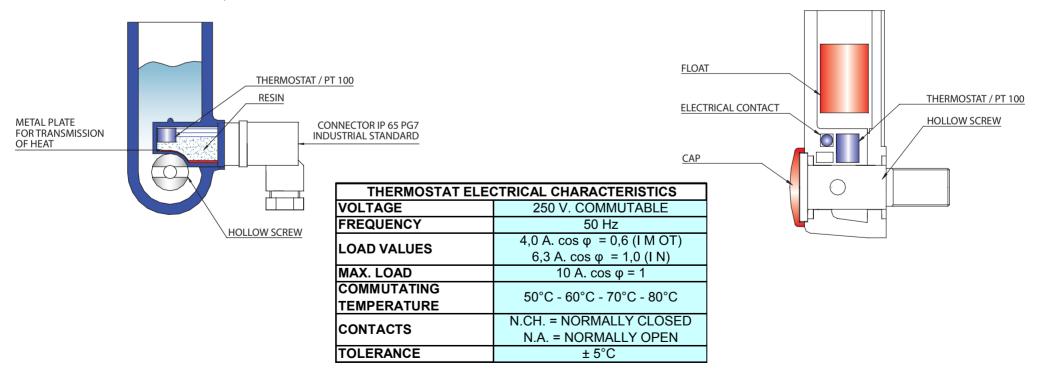
To facilitate the passage of heat, from the tank through the hollow screw to the thermostat / PT 100, a metal plate is inserted inside the level gauge to conduct the heat of the liquid faster and with less dissipation.

In conjunction with the thermostat / PT 100, a cap is fitted standard on the bottom screw to prevent heat loss to the outside.

Complete resin coating in the cavity containing the thermostat provides better heat and electrical insulation safety.

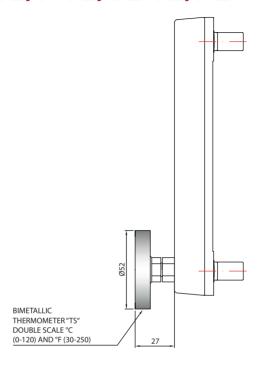
CHARACTERISTICS OF ELECTRIC LEVEL GAUGE WITH THERMOSTAT / PT 100

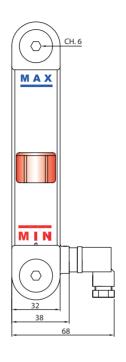
In addition to the already mentioned qualities of the TOP LEVEL, there is also the possibility of having a minimum electric signal together with the temperature signal of a thermostat or a PT 100, all in a single level gauge, and on a single connector.

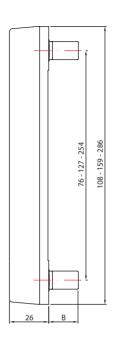


TL/E-TL/T-TL/P-TL/TE-TL/PE

SCHEME OF ORDER







Maximum pressure: see page 33 Maximum tightening torque: 10 Nm

MODEL		LEVEL	c/c		SCREWS MATERIAL	FLE	CTRICAL CONTACT IN		COVER		THERMOSTAT		BODY MATERI	AL		OR MATERIA	ıL.		DEVICES		
	С	CHARACTERISTICS	DISTANCE				BSENCE OF LIQUID			Cŀ	IARACTERISTICS			TEMP. (°C)			TEMP. (°C)		THERMOMETER		LOCKNUT
	Е	ELECTRICAL		Α	NICKEL PLATED BRASS M10 (ONLY FOR E)	0	WITHOUT CONTACT			0	WITHOUT THERMOSTAT (SOLO P-T)	-			1	NBR	-30+100				
	\vdash		76	В	NICKEL PLATED BRASS		(ONLY P-T)	٨	YES	1	50° N.O.		TR 55	-30+80	2	FKM (VITON)	-25+200	,	NO	S	NO
	т	. BIMETALLIC THERMOMETER		ם	M12			^	153	2	60° N.O.	Â	11.33	-30+80		SI	60 . 200	ľ	NO		
		TUEDNAOCTAT		С	STAINLESS STEEL M10	1	OPEN			3	70° N.O.				3	(SILICONE)	-60+200	00			
TL	TE		127							4	80° N.O.				4	HNBR	-40+130			1	GALVANIZED STEEL
		ELECTRICAL		D	STAINLESS STEEL M12	2	CLOSE			5	50° N.C.	-			5	EPDM	-45+155		WITH LOWER		
	P	PT100		Е	1/2"GAS INOX S/STAINLESS			В	NO	6	60° N.C.	В	POLYCARBONATE	-40+85		FEP		R1	BIMETALLIC		
		PT100	254		NICKEL PLATED BRASS SCREWS		EVELIANCE		,,,,	7	70° N.C.				6	(FKM-SILICONE)	-60+205		(WITH NICKEL PLATED	2	STAINLESS
	PE			F	1/2"GAS INOX AISI316 + STAINLESS STEEL SCREWS	3	EXCHANGE SPDT			8	80° N.C.	=			7	MFQ (FLUOROSILICONE)	-65+175		BRASS M12)		STEEL
TL		TE	127		D		1		В		3		Α			1			R1		S

VISUAL LEVELS: PRESSURE TABLE

		MAX PRESSURE OF USE WITH RESPECT TO THE PIPE MATERIAL (Bar)								
MOD.	C/C DISTANTE	METHACRYLATE	POLYCARBONATE	PYREX	TR55					
	76		9		11					
TL	127		8		5					
	254		8		5					
	76	-	10		9					
TL/E	127	-	7		5					
•	254	-	7	_	5					
	<u> </u>									
	76	35	35	35						
LV/M	127	35	35	35						
	254	35	35	35						
	127	35	35	35						
	254	35	35	35						
	300	35	35	35						
	400	25	35	35						
LV	500	15	35	35						
LVC	600	13	35	35						
	700	8	21	35						
	800	5	21	35						
	900	4	21	35						
	1000	3	21	35						
	150	35		35						
	300	35		35						
	400	26		35						
	500	22		35						
LMU	600	20		35						
	700	19		35						
	800	19		35						
	900	19		35						
	1000	16		35						
	IN PRESENCE	OF FLOATING IN NBR (RI ACI	K) THE PRESSURE OF USE DEC	ADE TO 5 BAR						

