

MINI-STAVOZNAKY SÉRIE TL

VISUAL LEVEL
C/C DISTANCE 76-127-254 MM



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:

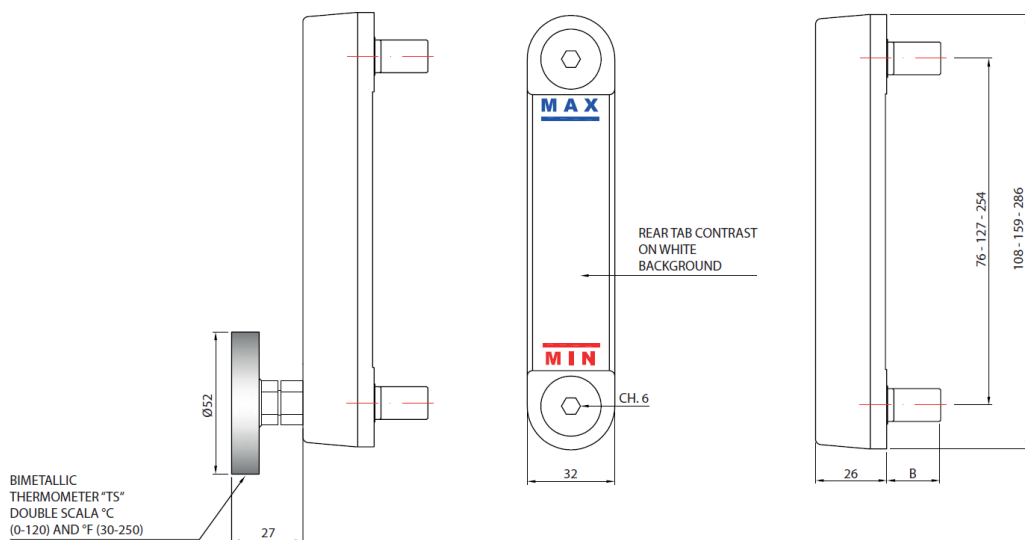
- C/C distance 76, 127, 254 mm interchangeable with almost every level visual marking
- Body Transparent polyamide based TR 55 LX (Grilamid™) or polycarbonate.

TECHNICAL ADVANTAGES:

- Constant and continuous indication of the level of the liquid
- Minimum thickness 4 mm: this means that the level does not need protection
- Total visibility, both front and side
- The special welding allows a perfect fusion, creating a block with high mechanical properties.

CHEMICAL RESISTANCE:

The polymer used is a compound based on polyamide 12.



MODEL	C/C DISTANCE	SCREWS MATERIAL		FLOAT		COVER		BODY MATERIAL		OR MATERIAL		DEVICE					
		THERMOMETER										NUT					
TL	76	A	GALVANIZED STEEL M10	1	YES	A	YES	A	TR 55	-30...+80	1	NBR	-30...+100	0	NO	S	NO
		B	GALVANIZED STEEL M12								2	FKM (VITON)	-25...+200				
		C	NICKEL PLATED BRASS M10								3	SI (SILICONE)	-60...+200				
	127	D	NICKEL PLATED BRASS M12	2	NO	B	NO	B	POLYCARBONATE	-40...+85	4	HNBR	-40...+130	R1	WITH EXTERNAL BIMETAL LOWER THERMOMETER (NICKEL BRASS SCREW M12)	1	GALVANIZED STEEL
		E	STAINLESS STEEL M10								5	EPDM	-45...+155				
		F	STAINLESS STEEL M12								6	FEP (FKM-SILICONE)	-60...+205				
	254	G	1/2" GAS S/STAINLESS + GALVANIZED STEEL SCREWS	2	NO	B	NO	B	POLYCARBONATE	-40...+85	7	MFQ (FLUOROSILICONE)	-65...+175	R1	WITH EXTERNAL BIMETAL LOWER THERMOMETER (NICKEL BRASS SCREW M12)	2	STAINLESS STEEL
		H	1/2" GAS S/STAINLESS + NICKEL PLATED BRASS														
		I	1/2" GAS S/STAINLESS + STAINLESS STEEL SCREWS														
TL	76	A		1		A		A			1			0		S	

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LEVEL ELECTRICAL CHARACTERISTICS

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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:

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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:

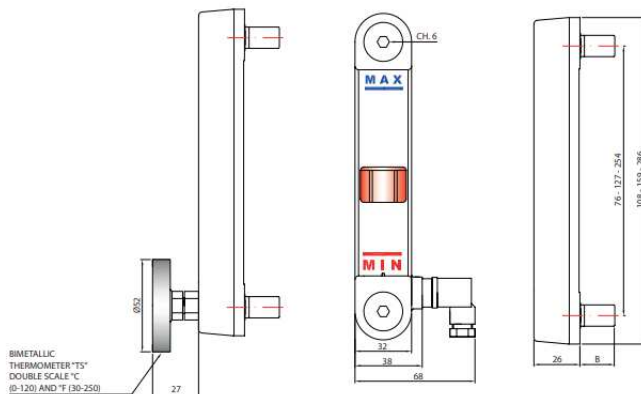
- just one purchase
- just one installation
- savings in costs and work
- total safety: the electrical part is completely separate from the liquid and insulated with respect to the outside.



ELECTRICAL CONTACT	SPST N.C. IN ABSENCE	SPST N.C. IN PRESENCE	SPDT
			
ELECTRICAL 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/E-TL/T-TL/P-TL/TE-TL/PE

SCHEME OF ORDER



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

MODEL	LEVEL CHARACTERISTICS		C/C DISTANCE	SCREWS MATERIAL		ELECTRICAL CONTACT IN ABSENCE OF LIQUID		COVER		THERMOSTAT CHARACTERISTICS		BODY MATERIAL		OR MATERIAL		DEVICES							
												TEMP. (°C)		TEMP. (°C)		THERMOMETER	LOCKNUT						
TL	E	ELECTRICAL	76	A	NICKEL PLATED BRASS M10 (ONLY FOR E)	0	WITHOUT CONTACT (ONLY P-T)	A	YES	0	WITHOUT THERMOSTAT (SOLO P-T)	A	TR 55	-30...+80	1	NBR	-30...+100	0	NO	S	NO		
	T	BIMETALLIC THERMOMETER		B	NICKEL PLATED BRASS M12					1	50° N.O.				2	FKM (VITON)	-25...+200						
	TE	THERMOSTAT + ELECTRICAL	127	C	STAINLESS STEEL M10	1	OPEN			2	60° N.O.				3	SI (SILICONE)	-60...+200			1	GALVANIZED STEEL		
				D	STAINLESS STEEL M12			3	70° N.O.			4	HNBR	-40...+130									
	P	PT100	254	E	1/2" GAS INOX S/STAINLESS + NICKEL PLATED BRASS SCREWS	2	CLOSE	B	NO	4	80° N.O.	B	POLYCARBONATE	-40...+85	5	EPDM	-45...+155	R1	WITH LOWER BIMETALLIC THERMOMETER (WITH NICKEL PLATED BRASS M12)	2	STAINLESS STEEL		
	PE	PT100 + ELECTRICAL		F	1/2" GAS INOX AISI316 + STAINLESS STEEL SCREWS	3	EXCHANGE SPDT			5	50° N.C.				6	60° N.C.	6					FEP (FKM-SILICONE)	-60...+205
										6	70° N.C.				7	MFQ (FLUOROSILICONE)	-65...+175						
										7	80° N.C.												
	TL	TE	127		D	1		B		3		A			1			R1		S			

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VISUAL LEVELS: PRESSURE TABLE

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