



HENNLICH

MERES

# 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:**

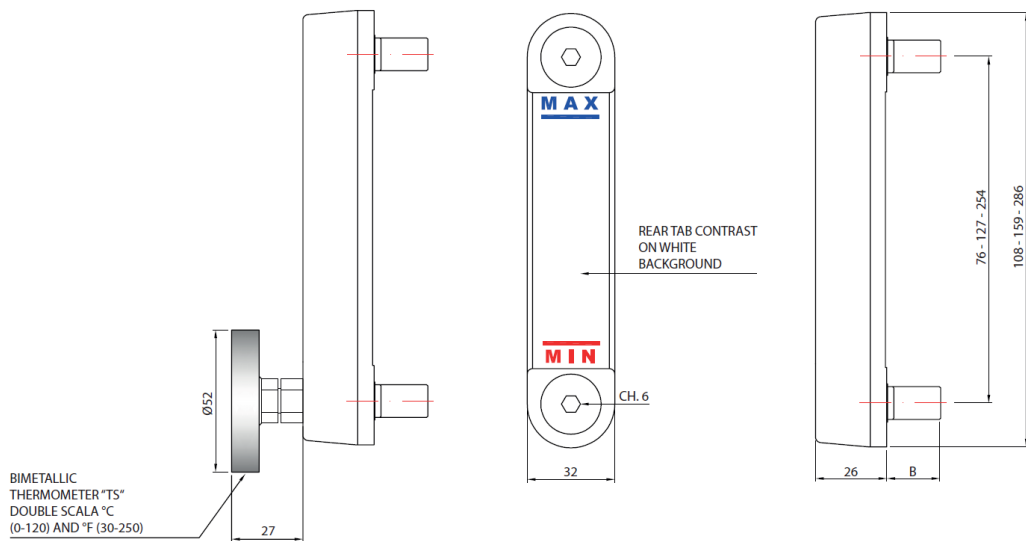
- C/C distance 76, 127, 254 mm interchangeable with almost every level visual marketing
- Body Transparent polyamide based TR 55 LX (Grilamid™) or polycarbonate.

**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				
		A	B			TEMP. (°C)	TEMP. (°C)	THERMOMETER	NUT					
TL	76	A	GALVANIZED STEEL M10	1	YES	A	YES	A	TR 55	-30...+80	0	NO	S	NO
		B	GALVANIZED STEEL M12											
		C	NICKEL PLATED BRASS M10											
	127	D	NICKEL PLATED BRASS M12	2	NO	B	NO	B	POLYCARBONATE	-40...+85	R1	WITH EXTERNAL BIMETAL LOWER THERMOMETER (NICKEL BRASS SCREW M12)	1	GALVANIZED STEEL
		E	STAINLESS STEEL M10											
		F	STAINLESS STEEL M12											
	254	G	1/2" GAS S/STAINLESS + GALVANIZED STEEL SCREWS	2	NO	B	NO	B	POLYCARBONATE	-40...+85	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	A	1	A	A	A	1	0	0	S	S		



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## 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:

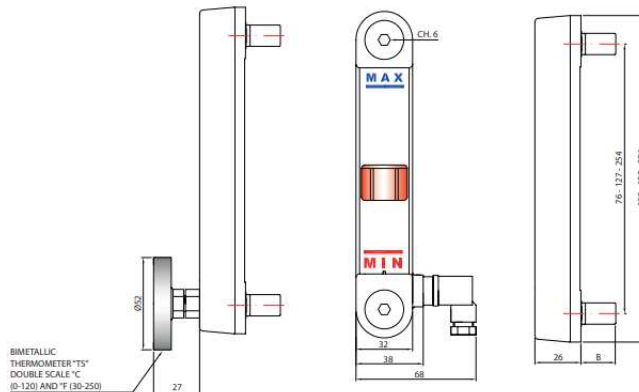
- just one purchase
- just one installation
- savings in costs and work
- total safety: the electrical part is completely separate from the liquid and insulated with respect to the outside.



ELECTRICAL CONTACT	SPST N.C. IN ABSENCE	SPST N.C. IN PRESENCE	SPDT
ELECTRICAL 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
			1 50° N.O.			2 FKM (VITON)			-25...+200			
	T BIMETALLIC THERMOMETER	127	B NICKEL PLATED BRASS M12	1 OPEN	B NO	2 60° N.O.	3 SI (SILICONE)	-60...+200	1 GALVANIZED STEEL			
			3 70° N.O.			4 HNBR	-40...+130					
	TE THERMOSTAT + ELECTRICAL	254	C STAINLESS STEEL M10	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
			D STAINLESS STEEL M12			6 60° N.C.			6 FEP (FKM-SILICONE)	-60...+205		
P PT100	PE PT100 + ELECTRICAL	E 1/2" GAS INOX S/STAINLESS + NICKEL PLATED BRASS SCREWS	3 EXCHANGE SPDT	B NO	7 70° N.C.	B POLYCARBONATE	-40...+85	7 MFQ (FLUOROSILICONE)	-65...+175	R1 WITH LOWER BIMETALLIC THERMOMETER (WITH NICKEL PLATED BRASS M12)	2 STAINLESS STEEL	
F 1/2" GAS INOX AISI316 + STAINLESS STEEL SCREWS		8 80° N.C.										
TL	TE	127	D	1	B	3	A		1		R1	S

# MINI-STAVOZNAKY SÉRIE TL



## 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		
<b>Yellow separator row</b>							
LV/M	76		35		35	35	
	127		35		35	35	
	254	35	35	35			
<b>Yellow separator row</b>							
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				
<b>Yellow separator row</b>							
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			
<b>Yellow separator row</b>							
IN PRESENCE OF FLOATING IN NBR (BLACK) THE PRESSURE OF USE DECADE TO 5 BAR							