

LV/E1+S1..S2..S3..

VISUAL LEVEL GAUGE WITH MINIMUM SIGNAL AND VARIABLE POSITION SENSORS

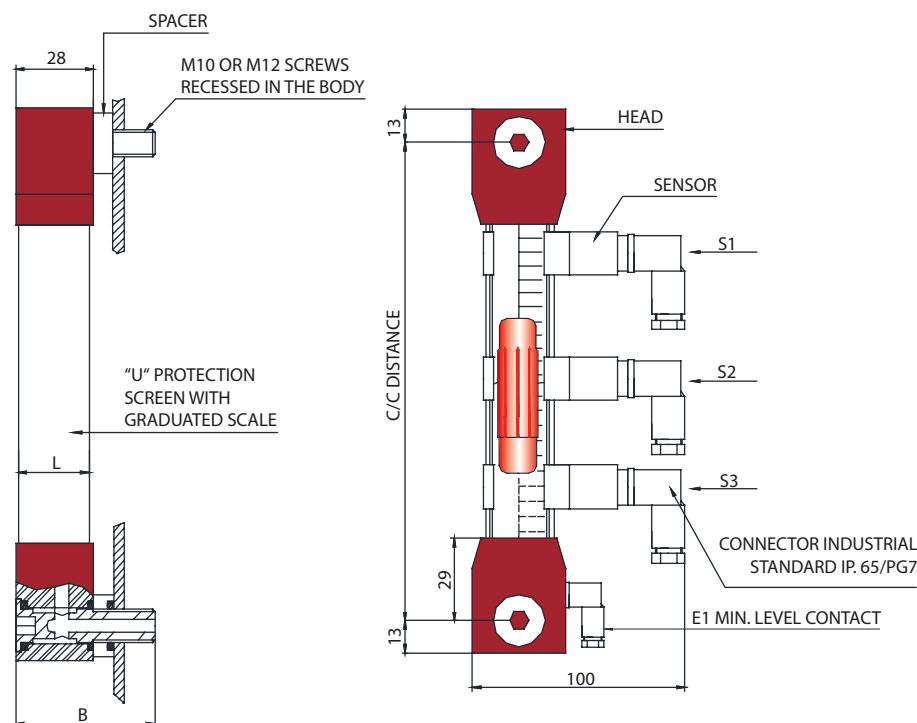


The visual level gauges allow the liquid level to be checked in a clear and precise way at any time.

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.

Through a full range of components our level gauges can meet the most particular needs, at a limited cost. The level gauges can be equipped with tap that stop the flow of liquid from the tank to the gauge and with bimetallic thermometer.

The C/C distances of 127 ÷ 4000 mm supplied meet the needs of all customers. In this way they can be interchangeable with the level gauges available on the market and, above all, "custom made" according to needs. The "U" protection screen is normally fitted in order to obtain visibility on the front part of the level gauge, but if necessary it can be turned 90° to obtain visibility on the right or left.

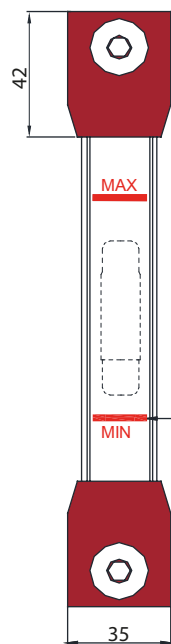


OPERATION:

The float sliding in the tube excites the contacts Reeds.

The sensors (**S1..S2..S3**) can be **SPDT** or **SPST** bistable (or with memory) that close the contacts in sequence. The contacts opens again only when the float carries out the reverse path. Each sensor can be placed as required along the axis of the level gauge.

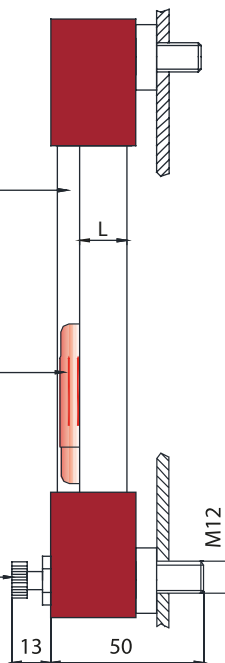
The contact E1 can be SPDT or SPST **N.O.** (normally open) in presence of liquid (closed in absence of liquid), **N.C.** (normally closed) in presence of liquid (open in absence of liquid).



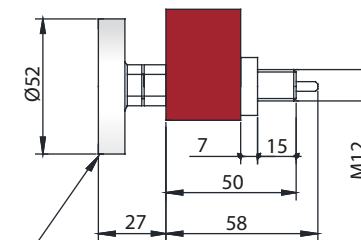
VISIBLE TUBE IN
LATERAL POSITION
WITH LOW PROFILE
L = 15mm

FLOAT

TAP



BIMETAL THERMOMETER
"TS" WITH DOUBLE SCALE
°C (0-120) AND °F (30-250)



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

LV / E1+S1..S2..S..	MIN. CONTACT			VARIABLE POS. SENSOR	
	SPST - N.C. IN ABSENCE	SPST - N.C. IN PRESENCE	SPDT	SPST CONTACT	SPDT CONTACT
ELECTRICAL CHARACTERISTICS					
POWER COMMUTABLE IN C.C.	20 W	20 W	20 W	40 W	20 W
POWER COMMUTABLE IN C.A.		20 VA	20 VA	40 VA	20 VA
CURRENT STRENGTH IN C.C. - C.A.	1.A	1.A	1.A	2.A	1.A
COMMUTABLE VOLTAGE	200 VDC	150 VDC / VAC	150 VDC / VAC	230 VDC / VAC	150 VDC / VAC

MODEL	C/C DISTANCE	SCREWS	SCREWS MATERIAL B (mm)	ELECTRICAL CONTACT E1	ELECTRICAL CONTACT S1	ELECTRICAL CONTACT S2	ELECTRICAL CONTACT S3	ELECTRICAL CONTACT S4	POSITION ELECTRICAL CONTACT	TUBE MATERIAL TEMP. (°C)	FLOAT	HEAD MATERIAL TEMP. (°C)	OR MATERIAL TEMP. (°C)	DEVICE TAP	THERMOMETER	SERIGRAPHY	NUT												
LV/E1+S	FROM 127 TO 4000	M12	A NICKEL PLATED BRASS	C	C	C	C	C	1 RIGHT	A	METHACRYLATE	-40...+85	1	NYLON-GLASS (RED)	A	NYLON-GLASS (RED)	-30...+85	1	NBR	-30...+100	0	NO	0	NO	A	NO	0	NO	
																		2	FKM (VITON)	-25...+200	R1	WITH LOWER TAP M12 NICKEL PLATED BRASS L=50 MM							
																		3	SI (SILICONE)	-60...+200	R2	WITH 2 TAPS M12 NICKEL PLATED BRASS L=50 MM							
		M10		50	O	O	O	O		O	B	POLYCARBONATE	-40...+85	2	POLYPROPYLENE- GLASS (YELLOW)	B	POLYPROPYLENE- GLASS (GRAY)	0...+100	4	HNBR	-40...+130	R3							WITH LOWER TAP M12 S/STEEL L=50 MM
																			5	EPDM	-45...+145	R4							WITH 2 TAPS M12 S/STEEL L=50 MM
																			1/2" GAS S/STEEL	S	S	S							S
		7	MFQ (FLUOROSILICONE)	-60...+175	R6	WITH 2 PUSH TAPS M12 S/STEEL L=50 MM																							
		TS	WITH EXTERNAL LOWER THERMOMETER (Includes M12-A) (Excludes R1-R2-R3- R4-R5-R6)	B	WITH SERIGRAPHY ON CUSTOMER'S DESIGN ON REQUEST FOR QUANTITIES	2	STAINLESS STEEL																						
		LV/E1+S	800	M12	A	C	C	C	C	C	1	A	1	A	1	R1	0	A	0										

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					