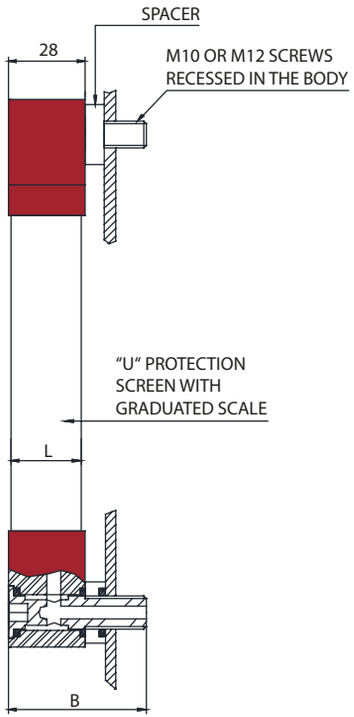
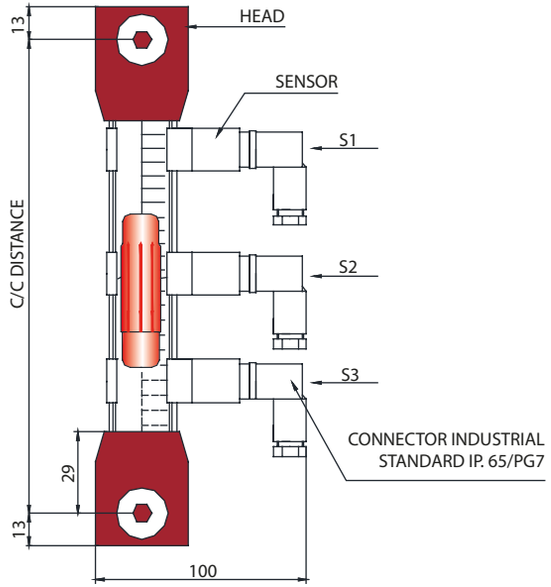
LV/E-S1..S2..S3..

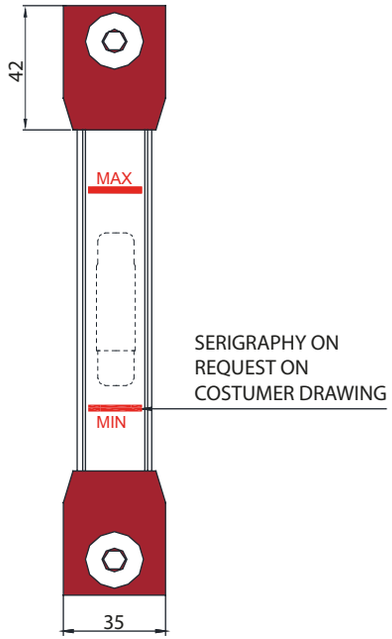
VISUAL LEVEL GAUGES WITH VARIABLE POSITION SENSORS

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.
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.

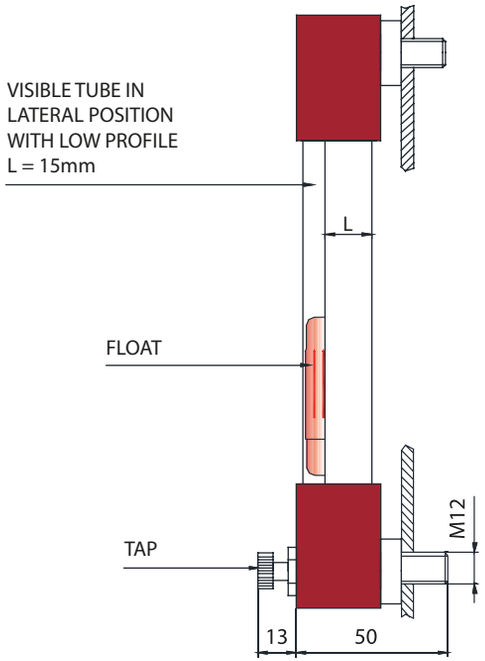


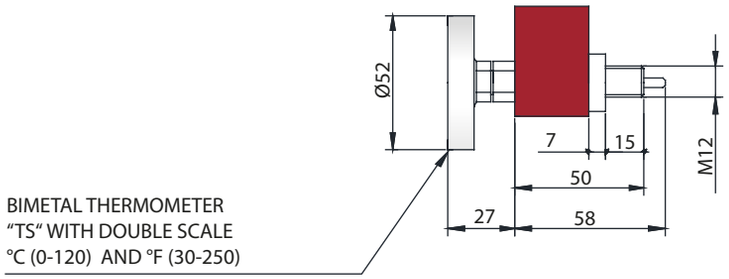


OPERATION:
The float sliding in the tube excites one or more bistable Reeds (or in memory) that close the contact in sequence.
The contact opens again only when the fl oat carries out the reverse path.
Each sensor can be placed as required along the axis of the level gauge.The sensors can be **N.O.** (normally open) in presence of liquid (closed in absence of liquid), **N.C.** (normally closed) in presence of liquid (open in absence of liquid), or **EXCHANGE**.



SERIGRAPHY ON
REQUEST ON
COSTUMER DRAWING





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

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

LV / E - S1..S2..S..	SPST CONTACTS	SPDT CONTACTS
ELECTRICAL CHARACTERISTICS	1 — 2	3 — 2 / 1
POWER COMMUTABLE IN C.C.	40 W	20 W
POWER COMMUTABLE IN C.A.	40 VA	20 VA
CURRENT STRENGTH IN C.C. - C.A.	2.A	1.A
COMMUTABLE VOLTAGE	230 VDC / VAC	150 VDC / VAC

MODEL	C/C DISTANCE	SCREWS	SCREWS MATERIAL	B (mm)	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	TEMPERATURE SENSOR	NUT
LV/E-S	FROM 127 TO 4000	M12	A NICKEL PLATED BRASS	50	C CLOSED IN ABSENCE OF LIQUID	C CLOSED IN ABSENCE OF LIQUID	C CLOSED IN ABSENCE OF LIQUID	C CLOSED IN ABSENCE OF LIQUID	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	0 NO
						O OPEN IN ABSENCE OF LIQUID	O OPEN IN ABSENCE OF LIQUID	O OPEN IN ABSENCE OF LIQUID							2 FKM (VITON)	-25...+200	R1 WITH LOWER TAP M12 NICKEL PLATED BRASS L=50 MM				
		M10			O OPEN IN ABSENCE OF LIQUID					B POLYCARBONATE	-40...+85	2 NBR WITH STAINLESS STEEL SPIRAL (BLACK)	B POLYPROPYLENE-GLASS (GRAY)	0...+100	3 SI (SILICONE)	-60...+200	R2 WITH 2 TAPS M12 NICKEL PLATED BRASS L=50 MM			1 PT100	1 GALVANIZED STEEL
						S EXCHANGE (SPDT)	S EXCHANGE (SPDT)	S EXCHANGE (SPDT)							4 HNBR	-40...+130	R3 WITH LOWER TAP M12 S/STEEL L=50 MM				
			B S/STEEL												5 EPDM	-45...+140	R4 WITH 2 TAPS M12 S/STEEL L=50 MM	TS WITH EXTERNAL BIMETAL LOWER THERMOMETER (Includes M12-A) (Excludes R1-R2-R3-R4-R5-R6)	B WITH SERIGRAFY ON CUSTOMER'S DESIGN ON REQUEST FOR QUANTITIES		
		1/2"GAS S/STEEL			S EXCHANGE (SPDT)				2 LEFT						6 SI (SILICONE)	-60...+205	R5 WITH LOWER PUSH TAP M12 S/STEEL L=50 MM			2 PT1000	2 STAINLESS STEEL
						N NO	N NO	N NO		C GLASS	-70...+250	3 POLYPROPYLENE-GLASS (YELLOW)	C PVDF (WHITE)	0...+100	7 MFQ (FLUOROSILICONE)	-60...+175	R6 WITH 2 PUSH TAPS M12 S/STEEL L=50 MM				
E.G.:	LV/E-S	800	M12	A	C	C	C	C	1	A		1	A		1		R1	0	A	0	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					