

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

VISUAL LEVEL GAUGES WITH VARIABLE POSITION SENSORS

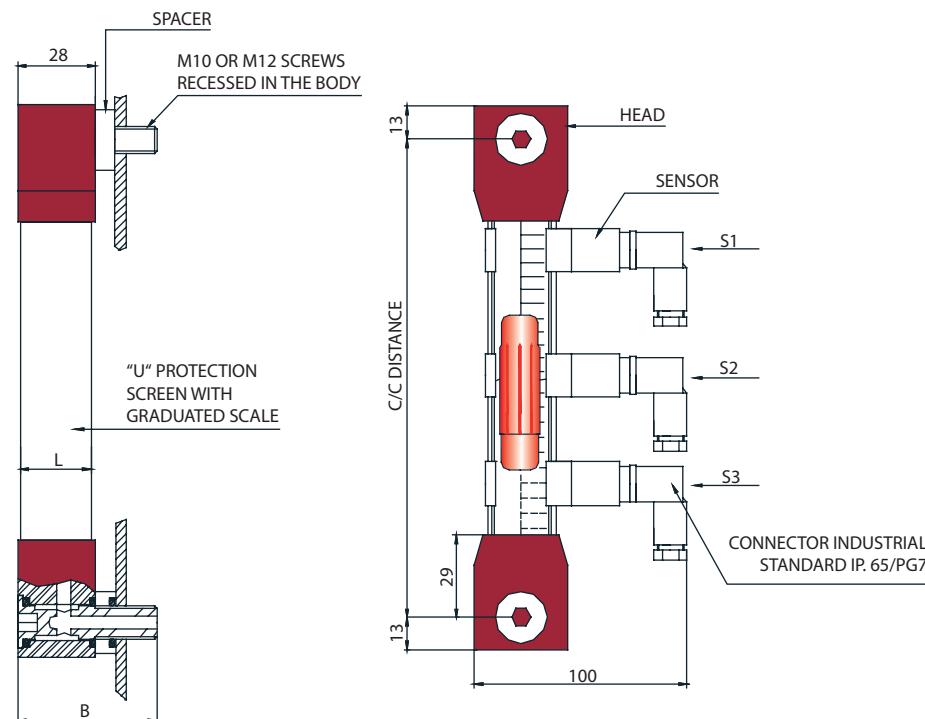


The visual level gauges allow the liquid level to be checked in a clear and precise way at any time.

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.

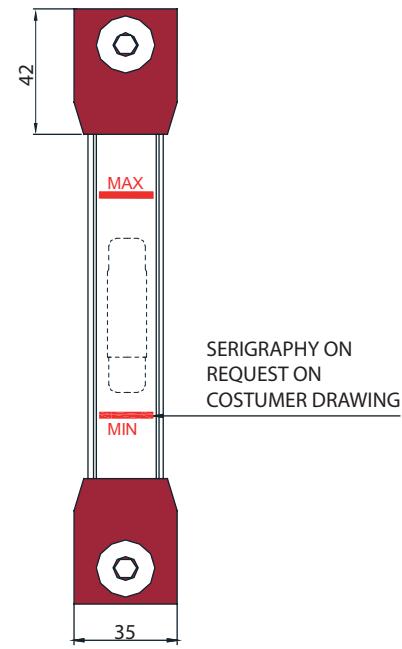


OPERATION:

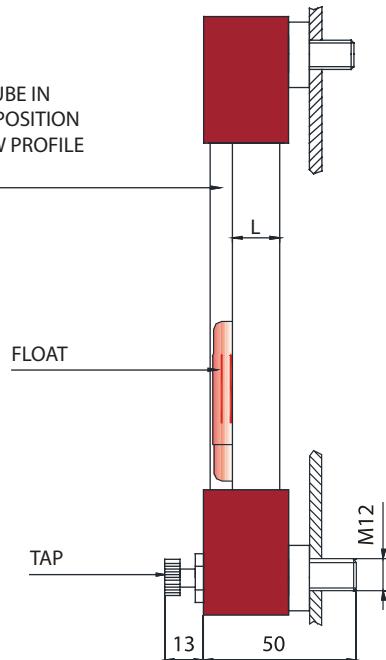
The float sliding in the tube excites one or more bistable Reeds (or in memory) that close the contact in sequence.

The contact opens again only when the float carries out the reverse path.

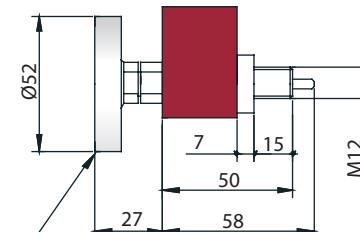
Each sensor can be placed as required along the axis of the level gauge. The sensors can be **N.O.** (normally open) in presence of liquid (closed in absence of liquid), **N.C.** (normally closed) in presence of liquid (open in absence of liquid), or **EXCHANGE**.



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



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

MOD.	NUMBER OF SENSORS	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		FLOAT	HEAD MATERIAL	OR MATERIAL		DEVICES		SERIGRAFIA	TEMPERATURE SENSOR	NUT												
												TEMP. (°C)	TEMP. (°C)			TAP	THERMOMETER																	
LV/E-S	1	MIN. C/C DISTANCE 127	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	RIGHT	A	METHACRYLATE	-70...+80	1	NYLON-GLASS (RED)	0	WITHOUT	0	WITHOUT	A	WITHOUT	0	WITHOUT	0	WITHOUT				
	2	MIN. C/C DISTANCE 170			B	S/STEEL	50	O	OPEN IN ABSENCE OF LIQUID	O	OPEN IN ABSENCE OF LIQUID	O	OPEN IN ABSENCE OF LIQUID	O	RIGHT	B	POLYCARBONATE	-150...+130	2	NYLON-GLASS (RED)	R1	WITH LOWER TAP NICKEL PLATED BRASS L= 50 mm												
	3	MIN. C/C DISTANCE 220		M10	C	S/STEEL	50	S	SPDT	S	SPDT	S	SPDT	S	LEFT	B	POLYPROPYLENE-GLASS (YELLOW)	0...+100	3	SI (SILICONE)	R2	WITH TWO TAPS NICKEL PLATED BRASS L= 50 mm												
	4	MIN. C/C DISTANCE 260			D	NICKEL PLATED BRASS	50	S	SPDT	N	NOTHING	N	NOTHING	N	LEFT	C	PYREX	-70...+250	4	HNBR	R3	WITH M12 S/STEEL LOWER L= 50 mm												
	1/2" GAS		E	S/STEEL		800	M12	A	C	C	C	N	1	A	1	A	1	R1	TS	WITH LOWER THERMOMETER external (Excludes R1-R2-R3-R4)	1	PT 100	1	WITH SERIGRAPHY ON CUSTOMER'S DESIGN ON REQUEST FOR QUANTITIES	2	PT 1000	2	WITH TWO STAINLESS STEEL LOCKNUTS	0	WITH TWO GALVANIZED STEEL LOCKNUTS	0	WITHOUT	0	WITHOUT
	LV/E-S																																	



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 DECREASE TO 5 BAR							

