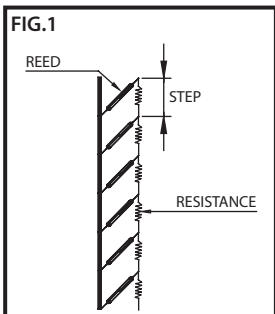


## VISUAL LEVEL INDICATOR WITH CONTINUOUS OUTPUT

Ohm / 4-20mA



The LVC series gauges allow control at all times the liquid steadily, clearly and precisely.

### PRINCIPLE OF OPERATION

The principle used is that of the vases: the liquid from the tank when the gauge is applied by means of hollow screws through the transparent tube, revealing the precise point reached in the tank.

The visualization is made more efficient with the inclusion of a float in the clear tube, this housing inside a magnet, whose field of action without physical contact small reed placed within a tube steel applied to the level.

The operation of these contacts can be inserted or the gradual disarming of resistance, also placed inside the stainless steel tube (raster), generating a signal resistive, variously used (eg 4-20 mA) proportional to the liquid inside the tank.

The float in the transparent tube slides, can excite one or more latching sensors, positioned at will along the axis of the level, and only when the float will turn the opposite direction the sensor is not be more excited.

### OPTIONS

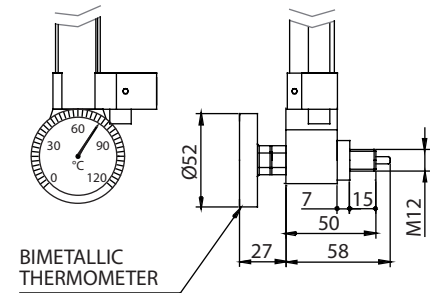
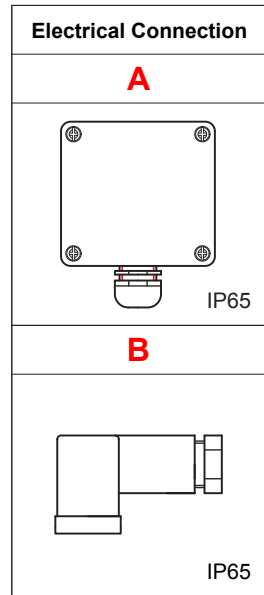
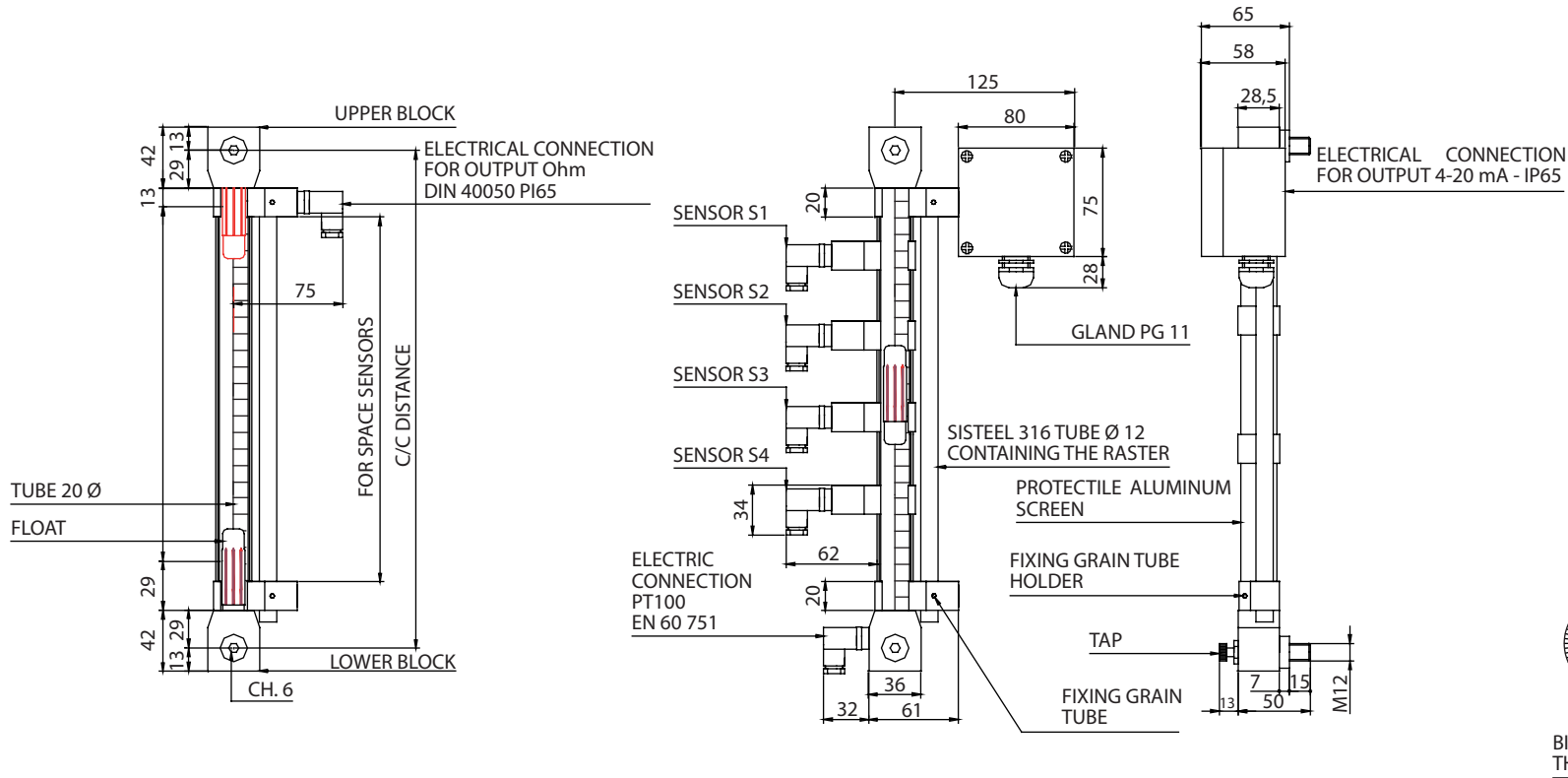
- Hole 200 to 3000 mm
- Different polymeric materials used for the transparent tube, the end caps and O-rings
- Sensors normally open or normally closed in the presence of liquid
- Tap interrupting the flow of liquid from the tank to the level (instead of a thermometer probe)
- Integrated temperature sensor in the lower end of the level (PT100 according to EN 60751)
- Bimetallic thermometer probe in the plug screw less (instead of tap)
- MA transducer ohm/4-20

### TECHNICAL ADVANTAGES

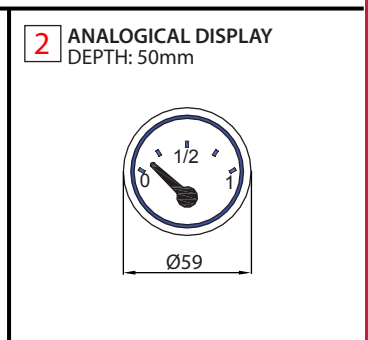
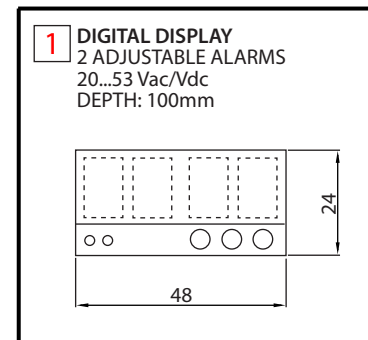
- Display constant and continuous level of the liquid with high precision repeatability
- Indication of linear liquid level, whatever the form of tank and distance between gauge and tank walls
- Display visual field and remote level measurement
- Activation, through sensors, to additional controls.

## VISUAL LEVEL INDICATOR WITH CONTINUOUS OUTPUT Ohm / 4-20mA

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



BISTABLE SENSORS	SPST CONTACT	
SWITCHING POWER IN C.C.	40 W	
SWITCHING POWER IN C.A.	40 VA	SPACE FOR SENSORS = C/C DISTANCE - 100
CURRENT INTENSITY C.C. - C.A.	2.A	CONTROL FIELD = C/C DISTANCE - 102
SWITCHING VOLTAGE	230 VDC / VAC	



## LVC ORDER TABLE

C/C DISTANCE	TUBE MATERIAL		LOWER AND TOP BLOCK MATERIAL	NUMBER AND NATURE OF ANY VARIABLE POSITION SENSOR				STEP	DEVICES					
		TEMP. (°C)		S1 INT. MINI 200	S2 INT. MINI 300	S3 INT. MINI 400	S4 INT. MINI 500							
FROM 200 TO 3000	A	METHACRYLATE -70...+80	1	NYLON-GLASS	S	WITHOUT	S	WITHOUT	S	WITHOUT	S	WITHOUT	0	WITHOUT
	B	POLYCARBONATE -150...+130	2	POLYPROPYLENE - GLASS	C	CLOSED IN PRESENCE OF LIQUID	C	CLOSED IN PRESENCE OF LIQUID	C	CLOSED IN PRESENCE OF LIQUID	C	CLOSED IN PRESENCE OF LIQUID	R1	LOWER TAP NICKEL PLATED BRASS L=50 MM
	C	PYREX -70...+250	3	NBR WITH S/STEEL SPIRAL (BLACK)	O	OPEN IN PRESENCE OF LIQUID	O	OPEN IN PRESENCE OF LIQUID	O	OPEN IN PRESENCE OF LIQUID	O	OPEN IN PRESENCE OF LIQUID	R2	TWO TAPS NICKEL PLATED BRASS L=50 MM
800	C		1		C		C		O		S		12	R

LVC 800 1 C 1 A 1 C C O S 2 A 0 12 R

MATERIAL SCREWS		LOWER AND TOP BLOCK MATERIAL		ORING MATERIAL		TEMPERATURE SENSOR IN THE LOWER BLOCK (CONNECTION OF THE LEFT)		OUTPUT	ELECTRICAL CONNECTION	ALIMENTATION	OPTIONAL DISPLAY		
			TEMP. (°C)		TEMP. (°C)								
1	M12 BRASS NICKEL L50mm	1	NYLON-GLASS -30...+130	A	NBR -30...+100	1	WITHOUT	A	4-20mA	A - WITH TRAN SOUCER 4-20mA	12-30 Vdc	0	WITHOUT
2	M12 INOX AISI 316 L50mm	2	POLYPROPYLENE - GLASS 0...+100	B	FKM (VITON) -25...+200	2	PT 100	B	Ohm	B	NO	1	DIGITAL
3	M10 BRASS L50mm	3	WHITE PVDF -20...+120	C	SI (SILICONE) -60...+200	3	PT 1000	C	0-10 V (EXTERNAL MODULE)	B	19-29 Vdc	0	WITHOUT
4	M10 INOX L50mm			D	HNBR -40...+130	4	OTHER					2	ANALOGICAL
5	1/2" GAS INOX			E	EPDM -45...+155							0	WITHOUT
				F	FEP (FKM-SILICONE) -60...+205								
				G	MFQ (FLUOROSILICONE) -65...+175								
1		1		A		2		A			0		