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.

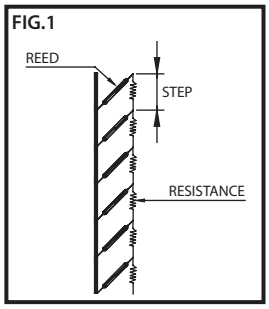
OPTIONS

- 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

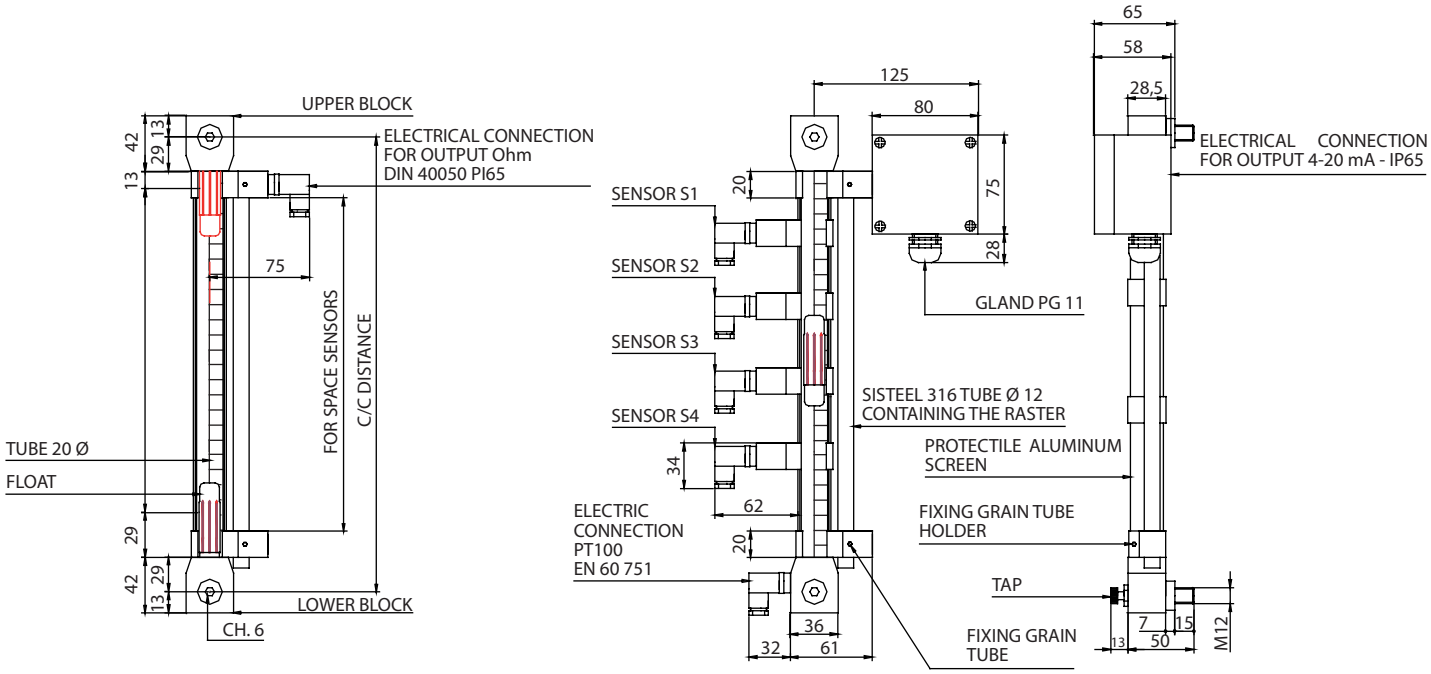
TECHNICAL ADVANTAGES

- 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.

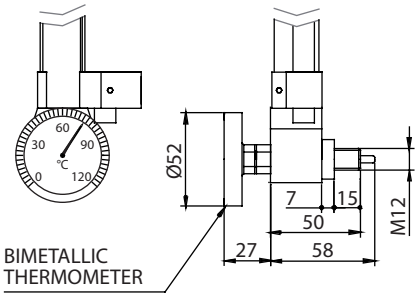
FIG.1



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



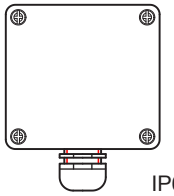
option



BISTABLE SENSORS	SPST CONTACT	
SWITCHIN G POWER IN C.C.	40 W	
SWITCHIN G POWER IN C.A.	40 VA	SPACE FOR SENSORS = C/C DISTANC E -100
CURRENT INTENSITY C.C. - C.A.	2.A	CONTROL FIELD = C/C DISTANC E -102
SWITCHIN G VOLTAG E	230 VDC / VA C	

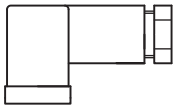
Electrical Connection

A



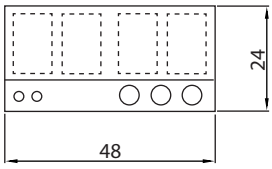
IP65

B



IP65

1 **DIGITAL DISPLAY**
2 ADJUSTABLE ALARMS
20...53 Vac/Vdc
DEPTH: 100mm



2 **ANALOGICAL DISPLAY**
DEPTH: 50mm

ORDER TABLE

C/C DISTANCE	
FROM 200 TO 3000	
800	

TUBE MATERIAL		TEMP. (°C)
A	METHACRYLATE	-70...+80
B	POLYCARBONATE	-150...+130
C	PYREX	-70...+250
C		

LOWER AND TOP BLOCK MATERIAL	
1	NYLON-GLASS
2	POLYPROPYLENE - GLASS
3	NBR WITH S/STEEL SPIRAL (BLACK)
1	

NUMBER AND NATURE OF ANY VARIABLE POSITION SENSOR							
S1 INT. MINI 200		S2 INT. MINI 300		S3 INT. MINI 400		S4 INT. MINI 500	
S	WITHOUT	S	WITHOUT	S	WITHOUT	S	WITHOUT
C	CLOSED IN PRESENCE OF LIQUID	C	CLOSED IN PRESENCE OF LIQUID	C	CLOSED IN PRESENCE OF LIQUID	C	CLOSED IN PRESENCE OF LIQUID
O	OPEN IN PRESENCE OF LIQUID	O	OPEN IN PRESENCE OF LIQUID	O	OPEN IN PRESENCE OF LIQUID	O	OPEN IN PRESENCE OF LIQUID
C		C		C		S	

STEP
12
12

DEVICES	
0	WITHOUT
R1	LOWER TAP NICKEL PLATED BRASS L=50 MM
R2	TWO TAPS NICKEL PLATED BRASS L=50 MM
R3	M12 S/STEEL LOWER TAP L=50 MM
R4	TWO M12 S/STEEL LOWER TAPS L=50 MM
T	LOWER THERMOMETER
R	

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

MATERIAL SCREWS	
1	M12 BRASS NICKEL L50mm
2	M12 INOX AISI 316 L50mm
3	M10 BRASS L50mm
4	M10 INOX L50mm
5	½" GAS INOX
1	

LOWER AND TOP BLOCK MATERIAL		TEMP. (°C)
1	NYLON-GLASS	-30...+130
2	POLYPROPYLENE-GLASS	0...+100
3	WHITE PVDF	-20...+120
1		

ORING MATERIAL		TEMP. (°C)
A	NBR	-30...+100
B	FKM (VITON)	-25...+200
C	SI (SILICONE)	-60...+200
D	HNBR	-40...+130
E	EPDM	-45...+155
F	FEP (FKM-SILICONE)	-60...+205
G	MFQ (FLUOROSILICONE)	-65...+175
A		

TEMPERATURE SENSOR IN THE LOWER BLOCK (CONNECTION OF THE LEFT)	
1	WITHOUT
2	PT 100
3	PT 1000
4	OTHER
2	

OUTPUT		ELECTRICAL CONNECTION	ALIMENTATION	OPTIONAL DISPLAY	
A	4-20mA	A - WITH TRANSOUCER 4-20mA	12-30 Vdc	0	WITHOUT
				1	DIGITAL
B	Ohm	B	NO	0	WITHOUT
				2	ANALOGICAL
C	0-10 V (EXTERNAL MODULE)	B	19-29 Vdc	0	WITHOUT
A				0	