

**CONTINUOUS LEVEL INDICATOR TOTALLY IN PVC**

**USE:**

The Levels electromagnetic reed-chain resistors Indicators allow a precise and constant indication of the fluid level, regardless of its electrical conductivity, pressure and temperature and by the presence of foam in it; essentially they have a simple structure, since the only moving part is the float which, depending on the flow or drain the liquid, flows through a tube.

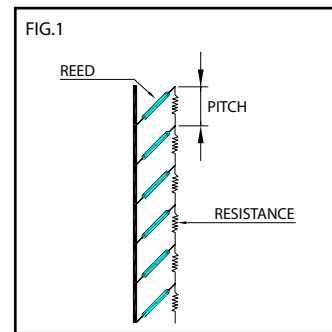
**OPERATION:**

The float stay within a toroidal magnet, whose field operates, without physical contact, small reed contacts placed inside the pipe flow (see Fig.1). The drive of these contacts allows the integration or gradual shutdown of the resistance, also placed inside the pipe flow, allowing the continuous reading of liquid level.

Resistive signal thus generated can be directly used by devices that accept inputs so structured, or through a converter Ohm - 4/20mA can drive most of the electronic devices on the market (PLC).

**TECHNICAL ADVANTAGES:**

- Constant and continuous indication of the level with high accuracy of repeatability.
- Linear indication of the level, regardless of the shape of the tank and the distance between gauge and the tank walls.
- Remote indication of the measure and possibility of piloting of additional controls.

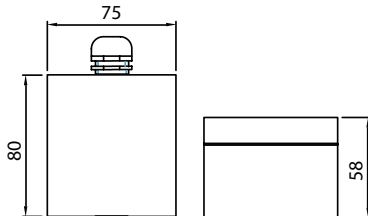


<b>MS (mm)</b>	<b>20</b>
<b>MI (mm)</b>	<b>35</b>

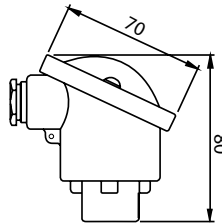
C= MAX CONTROL FIELD  
C= L-MI-MS-F

**ELECTRICAL CONNECTIONS**

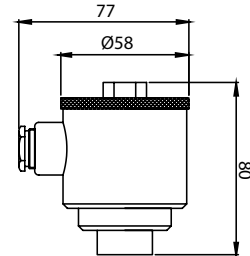
**A** ALUMINIUM  
IP65 HEAD



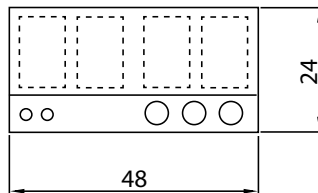
**B** ALUMINIUM  
IP68 HEAD



**C** S/STEEL AISI 316  
IP68 HEAD



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



**2** **ANALOG DISPLAY**  
DEPTH: 50mm



MODEL	"L"	"C"	PROCESS CONNECTION	OUTPUT	ELECTRICAL CONNECTION	POWER	OPTIONAL DISPLAY
<b>IEG-PVC-GCL-12</b>	FROM 100 TO 1500 mm	CS= MAX. ALLOWED C= "CUSTOMER SPECIFICATION"	1 1"1/2GAS (F=12)	1 4-20 mA	<b>A - B - C</b> WITH INTERNAL TRANSDUCER 4-20mA	12-30 Vdc	0= WITHOUT 1= DIGITAL
				2 0-10 V (external module)	<b>A - B - C</b>	19-29 Vdc	0= WITHOUT 1= DIGITAL
				3 Ohm	<b>A - B - C</b>	NO	0= WITHOUT 2= ANALOGIC
			2 2"GAS (F=15)	4 Ohm WITH MIN. LEVEL ALARM CLOSED IN ABSENCE	<b>A - B - C</b>	OPTIONAL (for alarms)	0= WITHOUT 2= ANALOGIC
				5 Ohm WITH MAN. LEVEL ALARM CLOSED IN PRESENCE	<b>A - B - C</b>	OPTIONAL (for alarms)	0= WITHOUT 2= ANALOGIC
				6 Ohm WITH MIN. LEVEL ALARM CLOSED IN ABSENCE AND MAX. CLOSED IN PRESENCE	<b>A - B - C</b>	OPTIONAL (for alarms)	0= WITHOUT 2= ANALOGIC
<b>ES: IEG-PVC-GCL-12</b>	<b>L800</b>	<b>CS</b>	<b>1</b>	<b>1</b>	<b>A</b>	<b>1</b>	