# ELECTROMAGNETIC FLOW METER

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# INSTALLATION MANUAL OF "INSERTION" SENSORS

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#### □ INTRODUCTION

- This manual is integral part of the product. Read carefully the instructions contained in it since it contains important indications for the safety of use and of maintenance.
- The technical information and the relative products of this manual could undergo modifications without any previous notice.
- The flow meter must be used for the use it has been built for. The improper use, possible tampering of the instrument or parts of it and substitutions of any components not original, makes the warranty to decay automatically.
- The manufacturer is considered responsible only if the instrument in used in his original configuration.
- It's forbidden the reproduction of the present manual and of possible software supplied with the instrument.

#### **START UP AND MAINTENANCE OF THE INSTRUMENTS**

- Before starting up the instrument, always make a sure connection to ground as suitable to page 5
- verify periodically: the integrity of the power supply cables, the tightening of the sealing elements (cable glands, covers, etc.), the mechanical fixing of the instrument on the pipe or on the wall stand.

#### □ SAFETY



Before using the instrument, always make a sure connection to ground



Avoid any attempt to repair the instrument. If the instrument is not functioning properly, please call the nearest assistance service



Pay maximum attention during the operations



ATTENTION !!!



DANGER !!!

#### **GENERAL INFORMATION ON THE SENSORS**



Before install the sensor locate the direction of the liquid in the piping

The sign of the flow rate **is positive**, when the flow direction it's from - **to** + as printed on the tag plate.

If after the installation, for plant request becomes necessary reverse the sign of the flow, it's enough reverse the sign of the coefficient KA

#### **OPERATIVE TEMPERATURES**



	PTFE LINING			
	Liquid Temp.		Ambient Temp.	
	Min.	Max	Min.	Max
°C	-20	150	-10	60
°F	-4	302	14	140

#### • Shrewdnesses and precautions



#### GROUNDING INSTRUCTION



For correct operation of the meter is NECESSARY that the sensor and the liquid are equipotential, so ALWAY connect the sensor and converter to ground.

For grounding with chatode protection pipe contact the manufacturer.



## □ Sensor Installation – Model For Mounting In Not Pressurized Pipe

Install the sensor following the order of the pictures



### □ Sensor Installation – Model For Mounting In Pressurized Pipe

Install the sensor following the order of the pictures

