

DESCRIPCION:

CODE: 06140101

Temperature sensor that accomplish these following features: reliability, linearity, sensibility and a high range of readings.

Due to its characteristics, the sensor is not affected by the longitude of the associated cable and it is very easy to install.

The sensor is situated at the bottom of the stainless steel sheath of 10 mm and sealed with epoxy resin. Through the interior comes out a cable of 2x1 with acrylic net and coating. This assemblage it is sealed by a termoretractile tube.

The sensor have a varistor of protection between the feeding and the ground (GDN).

Depending on the unit to be connected, the sensor can control and register the room temperature on closed premises, of liquids, mass, etc.



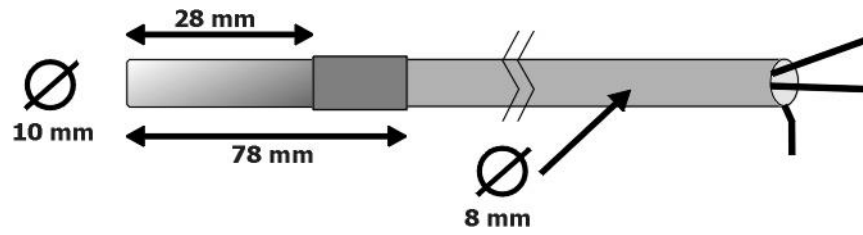
TECHNICAL CHARACTERISTICS:

Feeding	5V - 14V dc max. Varistor of protection between feeding and the ground.	
Outlet signal	2'732 V a 0°C / 3'732 V a 100 ° C to load resistance of 10 k ohms.	
Reading rank	- 30 + 100 °C	
Cable longitude	There are manufactured in 1,5,10,15,20 m	
Maximum distance	Several hundreds of meters (in good conditions).	
Connections	Blue	+14 Vdc
	Brown	Outlet signal
	Network	0 V (feeding to the ground, GND)

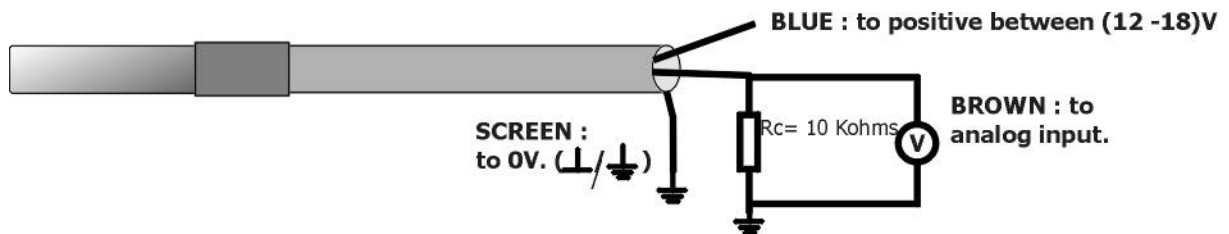
INSTALLATION AND MAINTENANCE:

- This sensor generate a voltage of $1\mu A/^\circ K$. Through a charge resistant of 10 k ohms create a range of 2.342 V to – 30 °C, 2.732 V to 0 °C and 3.732 to 100 °C.
- Due to the low voltage generated, the reading can be collected by inferior section cable than the ones that is supplied with the sensor, for example 0.25 mm.
- It is very important that the cables of the sensor do not go through power cables or VAC cables to avoid inductions that it can counterfeit the reading.
- It can be placed in any position.
- The sensor permit be calibrate by means of a charge resistance variation, without affect to the linearity.
- The equipment made by PROGRES allows the electronic calibration of the sensor by program.
- We can made sensors with especial sheath to bury in mass or thread in liquids pipeline.

DIMENSIONS:



CONNECTION:



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