

DESCRIPCION:

CODE: 06140151

Sensor HI 3001 for the measurement of the EC in the irrigation water.

System of 4 platinum rings mounted around the body glass, this body is protected with a ULTEM tube and permit go through its body due a lateral hole. This tube can be removed in the way to facilitate the cleaning of the contactors.

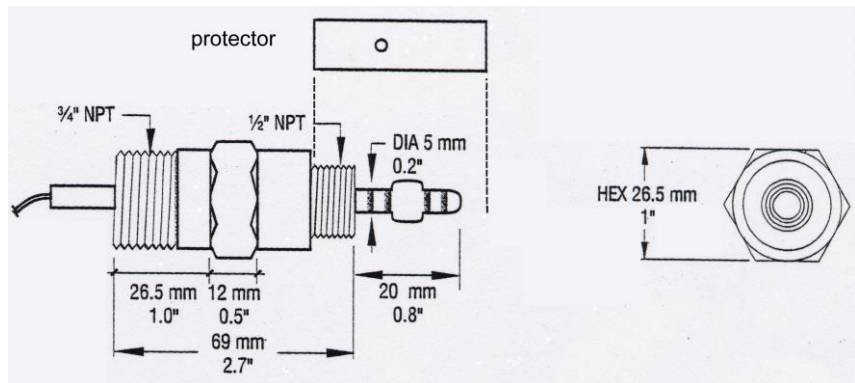
The measurement method is potenciometric, of 4 platinum rings in direct contact with the fluid and automatic compensation of the temperature, that guarantee a high precision.

It is supplied with a cable of 3 meters, screened multiwire and with female connector of 7 contacts that enable the connection to the EC or pH/EC transmitter manufactured by PROGRES. The transmitters allow us the conversion of the sensor values to the real and readable values to the irrigation controller.



TECHNICAL CHARACTERISTICS:

Dimensions



Temperature compensation	Automatically from 0 to 60 °C	
Body	Ultem	
Properties of work	Work temperature	0 to 80 °C
	Maximum pressure	6 BAR (87 psi)

INSTALLATION:

- It can be installed over any pipeline where it is necessary to make a hole with a tread way of “½”.
- The most adequate site are:
 - In front of a bend of the pipeline because, the water it is forced to circulate for inside the sensor when it is obligated to change the direction.
 - In the pipeline, preferable in the low-middle site to avoid airlocks. The lateral hole of the sensor has to be positioned in front the current direction , also to force the current to go through the sensor.

MAINTENANCE:

- Periodically, at the start of the campaign, it has to be realised a contactors sensor cleaning for the possible incrustations, by chemical methods or by friction. It would be convenient take out the protector in order to facilitate the work, but always being very carefully due the contactors hanger fragility, because it can be broken easily.
- Once it is cleaned, the sensor will need to be recalibrated by means of the transmitter in two points: ECO when the sensor is empty (offset) and EC5 (gain). It will be necessary to repeat the steps until you will get a correct reading in the two points.
- To get a correct working and a high durability of the sensor, it has to be respected the margin described on the properties of work.

Sistemes Electrònics Progrés, S.A.

Polígon Industrial, C/ de la Coma, 2
25243 El Palau d'Anglesola | Lleida | España
Tel. 973 32 04 29 | info@progres.es
www.progres.es