

**4 ELECTRODES CONDUCTIVITY SENSOR TS282-4E**

This submersible sensor up to 20 mts. of depth allows the precise measurement of the conductivity, by the method of 4 electrodes.

Two of them, the excitation ones, are used to generate a potential on the liquid to be measured while the other two are used to measure the current flowing through the excitation electrodes.



This system avoids the effects of polarization and dirt on traditional 2-electrode sensors. Making it particularly reliable and accurate over time.

The microprocessor controlled sensor allows for a wide range of externally configurable metering. The body containing the electronics is built in AISI 316 stainless steel and has an output of 4-20 mA. Their low supply voltage makes them suitable for PLC, datalogger, RTU, etc. A thermistor housed within the capsule allows the conductivity to be compensated with temperature.

SPECIFICATIONS

Range:	<i>0-100; 0-1000; 0-10.000; 0-100.000 S/cm. Externally configurable</i>
Accuracy:	<i>+/- 2% F.E. at 25°C</i>
Output:	<i>4-20 mA</i>
Power Supply:	<i>10.5 to 16 Vcc (typical 12Vcc)</i>
Operating temperature:	<i>0 to +50°C</i>
Body and electrode:	<i>Stainless steel AISI 316</i>
Cable:	<i>PE length 25 m. Other lengths on request</i>

**Other specifications and ranges available upon request.*