



## PRESSURE LEVEL SENSOR TS312P

The TECMES TS 312 P pressure sensor is suitable for both level and estuarine level measurements, such as wells or tanks.

It consists of a high accuracy piezoresistive pressure transducer, thermally compensated, housed in a stainless steel watertight capsule.

In this watertight capsule is also the signal conditioning electronics, which allows its connection to any recorder, data acquisition system, reader, etc.

The electrical interconnection is done by means of a cable wrapped in polyethylene, containing the electrical conductors, a tape of kevlar to confer a great resistance to the traction, and a capillary tube that connects the camera of the capsule seal with the outside. This is done to compensate for the errors that the variation of atmospheric pressure could produce in the measurement.

Optionally supplied with temperature sensor (T version)

### SPECIFICATIONS\*

**Transducer:** Piezoresistivo with temperature compensation

**Ranges:** 0-1 mca; 0-10 mca; 0-20 mca  
0-50 mca

**Output:** 4-20mA/ 0-3 VDC

**Power Supply:** 9 - 16V

**Dimensions:** 25,4 x 176mm / 25,4 x 210mm version D

**Accuracy:** ± 0,1 % Fe (Compensated between 0°C and 35°C)

**Operating temperature:** -10 °C to + 60 °C / -30 °C to + 60 °C / others on request.

**Overpressure:** 3 times the range.

**Case:** Stainless steel AISI 316

**Interconnection cable:** 4-conductor, 1 Kevlar tape capillary tube, 8 mm polyethylene sheath, 1 mm thickness



### FEATURED FEATURES

- . High accuracy
- . Easy installation
- . With Atmospheric pressure compensation

#### Cable Lengths according to measurement range

1m Range 10m Cable  
 10m Range 15m Cable  
 20m Range 25m Cable

\*Other specifications and ranges available upon request.