

# CONDUCTIVITY SENSOR MODELS TS 280 / 282 / SC-5



## INMERSIÓN CONDUCTIVITY SENSOR



Model TS 282



Model TS 280

### DESCRIPTION

This sensor sumergible to 20 m. of depth, allows the precise measurement of conductivity through titanium electrodes for low ranges, so as by magnetic system of measurement without electrodes for high values of conductivity. The body that contains the electronics is built in stainless steel AISI 316, and possesses an exit of 0-4V ó 4-20 mA. Its low tension make them appropriate to operate with PLC, datalogger, RTU, etc. A termisor lodged inside the capsule permits the compensation of the conductivity with the temperature.

### SPECIFICATIONS

#### MODEL TS 282

**Range:** 0-200; 0-2000; 0-20.000  $\mu$  S  
**Linearity:** +/- 1%  
**Output:** 0-4 V ó 0-20 mA  
**Power:** 9 to 16 Vcc  
**Operation temperature:** -10° a + 50°C  
**Body:** Stainless Steel AISI 316  
 Titanium electrode  
**Cable:** Polyethylene 15 m long. (request for other)  
**Dimensions:** Total Long. 270 mm,  $\varnothing$  cuerpo 38 mm.

#### MODEL TS 280

**Range:** 0-20; 0-50 mS  
**Linearity:** +/- 1%  
**Output:** 0-4 V or 0-20 mA  
**Power:** 9 to 16 Vcc  
**Operation temperature:** 0° to + 50°C  
**Body:** Stainless Steel AISI 316L. Without electrodes  
**Cable:** Polyethylene 15 m long. (request for other)  
**Dimensions:** Total Long. 325 mm;  $\varnothing$  body: 38 mm;  $\varnothing$  toroide: 58 mm

### CONDUCTIVITY CELL MODELO SC-5

Conductivity cell TECMES Model SC-5 is an adequate sensor to operate in line with pressure up to 5 Kg/cm<sup>2</sup>.

Build in stainless steel AISI 316 and titanium electrode, is large confiable and precise.

An internal termistor lets the conductivity compensation with temperature.

### SPECIFICATIONS

**Range:** 0-200; 0-2000; 0-20.000  $\mu$  S  
**On line Maxime pressure:** 5 kg/cm<sup>2</sup>  
**Process intake:** 3/4 NPT  
**Linearity:** +/- 1%  
**Termical Compensation:** Encapsuled termistor  
**Operation temperature:** 0°- 50°C  
**Body:** Stainless Steel AISI 316  
 Titanium Electrode  
**Dimensions:** Long. 113 mm c/conector  
 Body 86 mm



Request for other specifications

Made in Argentina

### TECMES Instrumentos Especiales S.R.L.

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