# Ta-Pt100 and Ta-Pt1000

### Ambient Temperature Sensor with Platinum Resistance



## Short Description

Our ambient temperature sensors come equipped with a stable aluminium housing and a robust weatherproof cable. Thanks to the use of top quality components the sensors achieve very high accuracy and are ideal for use in industrial and field (PV module temperature) environments.

If required, the sensors can be ordered with an inspection certificate 3.1 as per DIN EN 10204.

## Technical Data

| Types | Ta-Pt100 / Ta-Pt1000 |
|---|---|
| Sensor Element | Pt100 / Pt1000 Class A as per EN 60751 |
| Sensor Housing | Stainless Steel Jacket, Diameter 6 mm, Length 23 mm |
| Case Material | Powder Coated Aluminium |
| Case Dimension / Protection Level | 64 mm x 58 mm x 34 mm / IP 67 |
| Weight | appr. 260 g |
| Operating Condition | -40 to +80 °C |
| Connection Cable | Length: 3 m, PUR coated, shielded (LiYC11Y, 4 x 0.14 mm²) |
| Customs Number | 90 25 19 20 |

## Ta-Pt100 and Ta-Pt1000
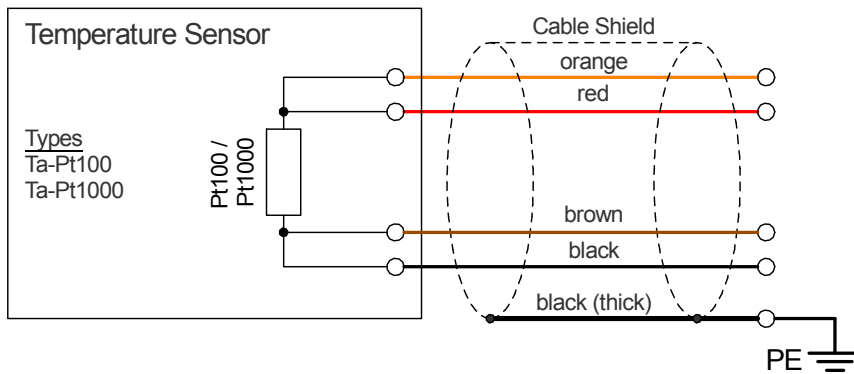### Ambient Temperature Sensor

## Safety Instructions

The installation and assembly of electrical equipment must be carried out by electrically qualified persons.

The sensor may not be used with equipment whose direct or indirect purpose is to prevent human death or injury, or whose operation poses a risk to humans, animals or property.

## Electrical Connection

The cable shield shall be connected to the PE during installation. Displayed cable colours are only examples.
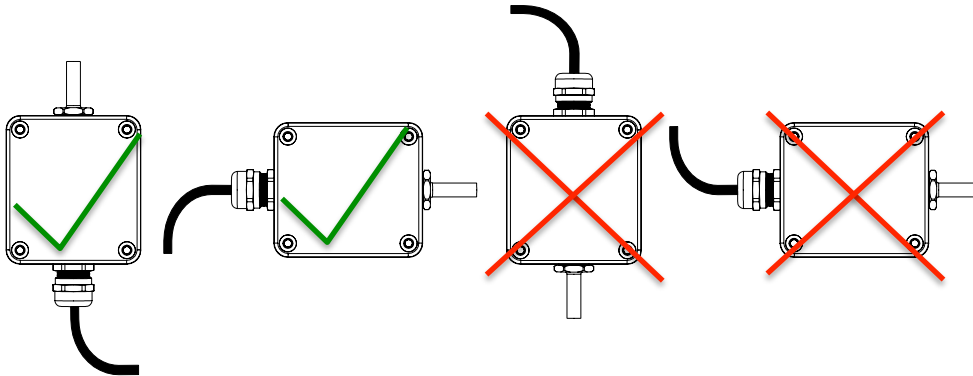


## Installation Instructions

If mounted outdoors, avoid direct exposure to sunlight and rain (if necessary, provide protection from the sun and rain).

The through holes used to fix the sensor to a stable and suitable surface shall be accessible when the housing is opened.

The tightening torque of the case cover is 180 Ncm.



## Maintanance

The sensors should be checked once a year for damage, contamination and correct fitting.

## Drawing

Date: January 2019
Errors and changes excepted