

Tamb-Si

External Ambient Temperature Sensor for Si-RS485TC-2T-v



Short Description

Our ambient temperature sensor Tamb-Si as complement of the Si- sensor Si-RS485TC-2T-v comes equipped with a stable INOX steel tube and a robust weatherproof cable. Thanks to the use of top quality components the sensor achieves very high accuracy and is ideal for use in field environments (ambient temperature or monitoring of engineering room).

Furthermore the measurement accuracy can be improved with the optional weather protection (Shield Tamb-Si).

Technical Data

| Type | Tamb-Si |
|-----------------------|--|
| Sensor Element | Pt1000 1/3 Class B as per EN 60751 |
| Sensor Housing | INOX steel tube, 6 mm diameter, 50 mm length |
| Protection Level | IP 67 |
| Pin Assignment | Pin 1: Pt1000 Pin 2: Pt1000 Pin 3: cable shield, isolated to INOX steel tube |
| Weight | Approx. 110g |
| Operating Condition | -40 bis +85°C |
| Sensor Cable | Length: 3 m, PUR coated, shielded (LiYC11Y, 4 x 0.14 mm ²) |
| Customs Tariff Number | 90 25 19 00 |

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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

This sensor is designed for connecting to the Si- sensor type Si-RS485TC-2T-v. For connecting, remove the protection cap of the 3-pole socket of the Si-RS485TC-2T-v and connect the Tamb-Si. To lock the cable connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 Ncm).

Installation Instructions

If mounted outdoors, avoid direct exposure to sunlight and rain to the sensor housing (INOX steel tube). If necessary, provide protection from the sun and rain with the optional Shield Tamb-Si. The sensor cable needs a cable grip close to the sensor housing.

Maintenance

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

User information

The sensor is designed for the measurement of air temperature. The warranty is for 1 year from the date of the invoice for the intended use. M&T does not accept any liability for possible losses or damage due to the incorrect usage of the sensor. Liability for consequential damages is excluded.

Optional Weather Protection Shield Tamb-Si

