YT03C550

TEMPERATURE SENSORS • RESISTANCE THERMOMETERS

The temperature measurement is of great importance in many industrial applications. It is distinguished between two different measurement principles: 1. contactless and 2. media contacting. A contactless measurement is carried out via infrared radiation. It allows a measurement of temperatures up to 1800°C, as no periphery of the system, such as the probe, requires contact to the medium or object. As a result these devices are often used in forges, rolling mills or generally in steel processing companies. The media contacting measurement is usually performed in combination with a PT100 thermal resistance, which is then connected to the evaluation electronics or display devices. Areas of application for these system versions can be found in cooling systems, storage tanks, exhaust systems, extraction or ventilation systems.

MECHANICAL DATA

Bending radius	9 mm
Housing design	Cylinder, screw-thread
Medium temperature	-30 °C ... 350 °C
Sensor diameter	3
Sensor length	210
Version	Temperature sensor

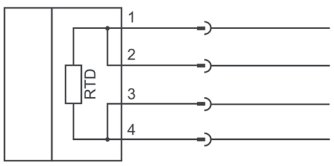
ELECTRICAL DATA

Measuring accuracy of temperature	0.15 °C
Resistance value at 0°C	100 Ohm
Type of electrical connection	Connector M12
With feed line	No

OTHER DATA

In acc. with DIN IEC 751	Class A
Structure	Densely clutched magnesium oxide insulation

CONNECTION



Colors: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)
Functions:

DIMENSIONAL DRAWING

INSTALLATION

DISPOSAL

Mounting / Installation may only be carried out by a qualified electrician!

SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

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