

# STRAP-ON TEMPERATURE SENSOR

**TSS-Series** 

#### **FEATURES**

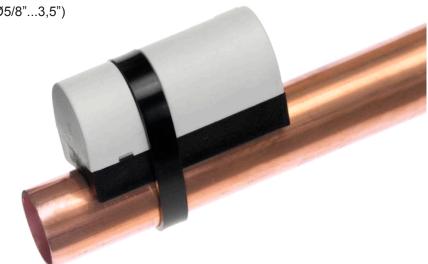
- · Pipe mounted
- · Small design housing
- Universal pipe size Ø15...90mm (Ø5/8"...3,5")
- Spring loaded contact
- · Complete mounting set
- · Splash proof
- · UV resistant

#### **OPTIONS**

- · Extension cable
- · Custom packaging

### **APPLICATIONS**

- HVAC
- · Building controls
- · Industrial applications
- Micro CHPs
- Horticulture



#### **GENERAL INFORMATION**

The Tasseron strap-on sensor is developed for indirect measurement of the medium (water) by strapping it onto a pipe. With the included tie-wrap it can be mounted onto any pipe between 15 and 90 mm ( $\emptyset$ 5/8"...3,5") diameter. This makes it ideal for various applications or various pipe diameters.

The sensor contact point is spring loaded to guarantee a good thermal contact. This results in a quick and accurate measurement, even over a long period of time.

Installation costs are saved by using this sensor as it is designed for quick connection. It comes in a complete set for mounting onto the pipe. The small box includes: the sensor with grommet for cable sealing, tie-wrap and a mounting instruction.



# **GENERAL TECHNICAL INFORMATION**

Characteristic	Parameter	Value	Unit
Operating temperature	T <sub>op</sub>	-4060	°C
Resistance tolerance NTC (@60°C)	$\Delta R_R$	±3	%
Insulation resistance	$R_{\text{ins}}$	>200	ΜΩ
Test Voltage (t = 1s)	V <sub>test</sub>	2000	$V_{AC}$

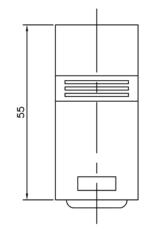
#### **MEASUREMENTS & MATERIALS**

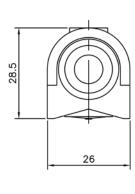
Housing size (I x w x h) : 55 x 28,5 x 26 mm

Housing base material : PC Black Cap material : PC White

Electrical connection : 2 way 0,3 - 1,5 mm<sup>2</sup>

screwless connector

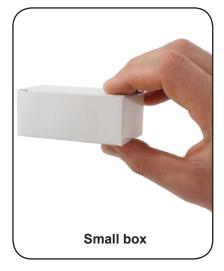




# **IMAGES**



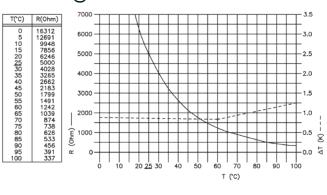




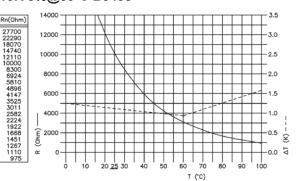


#### **AVAILABLE SENSOR VALUES**

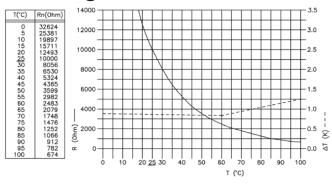
# NTC 5K 3%@60°C B3977



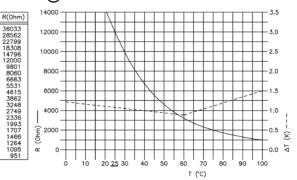
# NTC 10K 3%@60°C B3435



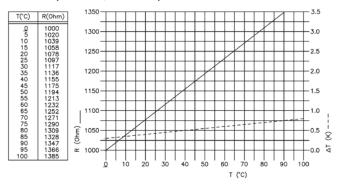
# NTC 10K 3%@60°C B3977



# NTC 12K 3%@60°C B3740



# Pt1000 (IEC751, class B)





# **ORDERING INFORMATION**

Strap-on sensor Strap-on sensor Standard housing It Sequenced no. 1x

# Measuring element options

4 = Pt1000 (IEC751, class B)

5 = NTC 5K 3% B3977

A = NTC 10K 3% B3977

B = NTC 12K 3% B3740

D = NTC 10K 3% B3435

Other measuring elements or housing colors on request.

Packing quantity and MOQ: 125 pieces