

# PTxM (PT100M, PT500M, PT1000M)

## General

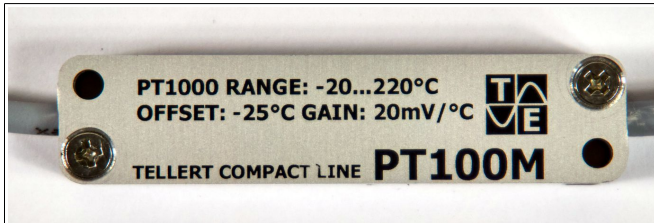


Figure 1: Pt100 transformer PT100M.

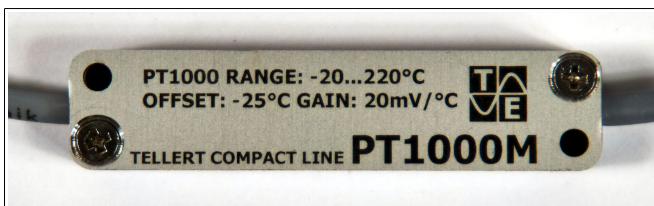


Figure 2: Pt1000 transformer PT1000M.

The temperature sensor *PTxM* is either PT100M, PT500M or PT1000M for Pt100, Pt500 or Pt1000 resistors. The resistance is measured in a two-wire circuit. The sensor is calibrated at the temperatures 0 °C and 200 °C.

## Pin Assignment

**PWR:** This plug is manufactured by Binder (Binder Series 719). It supplies the amplifier with voltage and outputs the difference voltages.

Pin	Assignment [Wire color]
1	Supplying voltage (6 V to 16 V DC) [white]
2	Ground (0 V) [brown]
3	Output signal [green]
4	(unused)
5	(unused)

**IN:** This socket is manufactured by Binder (Binder Series 719).

Pin	Assignment
1	(unused)
2	Supply's ground
3	Connected with pin 2 via a Pt resistor

## TEMES Settings

	Temperature	Voltage
1	-20 °C	0.1 V
2	220 °C	4.9 V

## Technical Data

Property	Description
Box dimensions:	55 mm x 13 mm x 8 mm
Typical weight:	20 g
Current consumption:	< 5 mA
Temperature range:	-20 °C ... 220 °C
Output range:	0.1 V ... 4.9 V