

PT100 3-wire temperature probe

PID: MIKROE-2885

Weight: 24 g



Platinum resistance temperature sensor

PT100 3-wire temperature probe is a type of RTD platinum probe used to measure temperatures up to 250°C. This type of probe can be used with [RTD click](#).

RTD sensors are basically thermosensitive resistors – materials that change the resistance depending on their temperature. In this case, the resistor is a small strip of platinum with a resistance of 100Ω at 0°C - that is why it is called PT100.

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- Temperature: max. 250° Celsius
- 3-Wire
- Length: 1m (100cm, 3.37 inches)
- Grade: 2B
- Tolerance: 0.5

Why use an RTD type of sensor?

- A wide temperature range
- Precision and accuracy
- Long-term stability

For many years, these type of sensors have been used in industrial and laboratory conditions since they are considered to be more accurate and stable than most NTC/PTC thermistors. Also, platinum is an excellent choice since they are very stable and reusable, and are resistant to corrosion or oxidation.