



Neuron PT100 25cm Probe

Neuron Wireless PT100 25cm Probe is perfect to measure temperatures through walls in cold rooms or other objects where the electronics need to be separated from the measurement. The sensor comes with 1 meter cable between electronics and the probe, and the 3mm diameter of the probe will allow for easy installation. The probe can even be bent to fit the application with a radius of three times the probe diameter. Integrated battery ensures up to 10 years of battery life. All measurements are easily accessible from web, app or API.

The sensor transmits data to your nearby Neuron Gateway which then again communicates with the Neuron Cloud. Continuous measurement and instant alarm. Duplex communication enables adjustment of parameters such as measuring frequency.

Alarm levels are easy to set in the app and alerts can be received as push notification, E-mails or SMS. QR-code on the sensor ensures easy and accurate registration in the app.

Typical Applications:

- cold rooms
- freezers
- heating cabinets

Advantages

- 👁️ **Wireless sensor with integrated battery**
- 👁️ **Immediate notice in case of anomalies**
- 👁️ **Quick installation**
- 👁️ **Operates 10 years on integrated battery**
- 👁️ **Robust technology for demanding environment**

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Specifications

Part Number	422523
Measuring range	-50°C to +250°C (Other on request)
Resolution	0.1°C
Measuring Frequency	Every 3 sec.
Report Frequency	Reports every 2 min. Or immediately if trigger for critical data transmission is reached, see below
Trigger for critical data transmission	2°C
Operating Frequency	868 - 870 MHz
Battery Type	Li-SOCI2 (3.6V)
Operating Time*	Up to 10 Years
IP Grade	IP67
Materials	316 Stainless Steel / POLYBlend 65 FS
Operating Temperature Range	-40 - 85 °C
Connection Type	1 meter FEP/FEP insulated twisted wires
Dimensions LxWxH	Sensor: 37x23x14mm Probe: 250x3 mm (Other on request)

*Depends on measurement frequency, amount of critical data transmissions and ambient temperature