



Neuron PT100 Ring Lug

Neuron Wireless PT100 Ring Lug is perfect for measuring surface temperatures on objects and transmit the data to Neuron Cloud. The sensor comes with 1 meter cable between electronics and ring lug, and the lug has a 6 mm hole for easy installation. 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:

Surface temperature on

- pipes
- HVAC
- motors and transformers

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	422527
Measuring range	-50°C to +200°C
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	Tin plated copper lug / POLYBlend 65 FS
Operating Temperature Range	-40 - 85 °C
Connection Type	1 meter PFA insulated twisted wires
Dimensions LxWxH	Sensor: 37x23x14mm Ring Lug: Ø6mm

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