Neuron Temp Surface

Neuron Wireless Temp Surface is a small and compact sensor for measuring temperature and suited for a wide range of applications. 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, emails or SMS. QR-code on the sensor ensures easy and accurate registration in the app.

Typical Applications:

- Surface temperature on equipment
- Surface temperature on electric cables
- Ambient temperature in humid areas

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**

Neuron Surface Sensor

Specifications

Part Number	421839
Measuring range	-40 - 85°C
Resolution	0.1°C
Accuracy	0.5°C (-5 - 75 °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 MHz
Battery Type	Li-SOCl2 (3.6V)
Expected Operating Time	Up to 10 Years *
IP Grade	IP67
Plastic Parts	POLYblend 65 FS
Connection Type	Silicone pad on side of sensor
Operating Temperature Range	-40 - 85°C
Dimensions LxWxH	37x23x14mm

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