



# Neuron IR Temp

**Neuron IR Temp Sensor measures surface temperature on the object it is directed towards. The sensor is fitted with a magnet for easy installation. Integrated battery ensures up till 7 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:

- Temperature on rotating machinery
- Saw blad temperature

### 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 IR Temp Sensor



### Specifications

Part Number	422307
Measuring Range	-40 to 380 °C
Resolution	0.1 °C
Accuracy	+/- 1 °C Object temperature at 0 - 60 degrees and sensor temperature at 0 - 50 degrees. +/- 5 °C worst case at high temp
Measuring Frequency	Every 2 min.
Report Frequency	Reports every 2 min. Or immediately if trigger for critical data transmission is reached, see below
Trigger for critical data transmission	3 °C
Field of view / D:S	6 degrees / 8:1
Operating Frequency	868 - 870 MHz
Battery Type	Li-SOCI2 (3.6V)
Operating Time*	7 Years
IP Grade	IP 67
Operating Temperature Range	-40 - 70 °C
Material	Polyuretan/ Neodymium magnet
Dimensions DxH	51x13mm

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