



## Neuron PT100 Process Connection

Neuron Wireless PT100 Process Connection is perfect for measuring liquid temperatures in pipes and other applications. The sensor comes with 6x100mm sensor element and 1 meter cable between electronics and sensor. 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

- Cooling water
- Industry Processes
- Cooling liquid in 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**

### Neuron PT100 Process Connection



### Specifications

Part Number	422328
Measuring range	-50°C to +250°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	316 Stainless Steel / POLYBlend 65 FS
Operating Temperature Range	-40 - 85 °C
Process Connection Type	¼" BSPP
Dimensions LxWxH	Element 6x100mm, Sensor: 37x23x14mm.

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