



Neuron Humidity

Neuron Wireless Humidity Sensor is a small and compact sensor for measuring relative humidity and temperature. 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:

- HVAC
- Trafo-stations
- Industry
- Storage
- Greenhouse

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	421926
Measuring Range RH	0 - 100%
Measuring Range Temp	-40 - 125°C
Resolution	0.1% and 0.1°C
Accuracy	± 2% RH and ± 0.2°C
Measuring Frequency	Every 30 sec.
Report Frequency	Reports every 2 min. Or immediately if trigger for critical data transmission is reached, see below
Trigger for critical data transmission	5%
Radio Frequency	868 - 870 MHz
Battery Type	Li-SOCI2 (3.6V)
Operating Time*	Up to 10 Years
IP Grade	IP21
Plastic Parts	POLYBlend 65 FS
Operating Temperature Range	-40 - 85 °C
Dimensions LxWxH	37x23x14mm

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