

NSnappy® Sense LWEU

Probe Thermometer

NSnappy® Sense is a probe thermometer for the effortless measurement of internal food temperatures.

NSnappy® Sense is a food-safe and reliable wireless probe thermometer for measuring the temperature of food products. NSnappy® Sense relays measurement data automatically to the NSnappy® service over a LoRaWAN radio connection. The measuring device can be used with any terminal device equipped with an internet connection.

In normal use, NSnappy® Sense operates for more than a year on its battery. The measuring device comes with the NSure continuous warranty for IoT measuring devices, which involves calibrating the unit regularly and replacing the battery.



Applications



Commercial kitchens



Industry

Product highlights

- The thin and durable probe sensor provides fast response time
- Automatic transmission of measurement data
- Easy to use
- Food-safe
- A stainless steel measuring probe
- Easy to keep clean
- Does not require a mobile app or Bluetooth connection
- Works with all devices with an internet connection and access to the NSnappy® service with a browser



NSnappy[®] Sense LWEU

Probe Thermometer



Environment

Storage conditions	-40...+60°C, relative humidity 5-95%, non-condensing
Operating conditions	-20...+45°C, relative humidity 0-100%
Protection class	IP65
Enclosure material	PC+ABS (Bayblend [®] T88-4N)

Dimensions

Dimensions	224 x 28 x 23 mm
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Temperature measurement probe

Probe	80 mm long (250 mm long for Sense-250), 2 mm diameter, hollow stainless steel probe with sharp tip
Sensor	Pt100 sensor element inside of the probe tip
Measuring range	-50...+200°C (theoretical Pt100 linearized range -200...+600°C)
Accuracy	±0,5 °C within range -30...+100 °C, when device temperature is +5...+45°C and stable
Measuring interval	About 5 seconds

Radio connection

Description	LoRaWAN standard, EU 868 MHz frequency range
Transmitter module	Murata ABZ-093 LoRaWAN modem
Antenna	Internal
Compatibility	The device that uses a LoRaWAN radio connection requires an NSnappy [®] Hub LoRaWAN base station to function
Frequency	863-870 MHz (LoRaWAN 1.0.2 EU band)
Power	Max +14 dBm E.R.P.
Range	Depends on environment, indoors: in good conditions up to hundreds of meters, outdoors: line-of-sight up to 10 km

Power supply

Type	3.6 V lithium thionyl chloride primary battery, not user replaceable
Battery life	At least 1 year with 20 minutes of use per day