NSnappy® Kide LWEU-N

Temperature transmitter

NSnappy® Kide is a wireless temperature transmitter designed for reliable and accurate temperature monitoring of various storage and cold storage areas.

The NSnappy® Kide transmitter can be installed in spaces such as cold rooms, freezers, storage facilities, display cabinets, drawers or anywhere else that requires constant temperature monitoring. The device can be easily attached to the Kide-Dock installation rack. Kide-Dock includes a device identifier, which enables fast and easy calibration options without interruptions in measurement. The device relays information directly to the NSnappy® service over a LoRaWAN radio connection.

In normal use NSnappy® Kide operates on the battery for about five years. 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

Construction

Product highlights

- Automatic temperature measurement and data transmission
- Easy to install
- Durable IP-rated enclosure
- Stylish design
- Long battery life
- Easy and fast calibration options without interruptions in measurement

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Radio connection (LWEU models)

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

Dimensions

Dimensions	91 x 68 x 31 mm, including Kide-Dock 86 x 68 x 26 mm, without Kide-Dock and bumper domes
Weight	136 g + 12 g Kide-Dock

Temperature measurement

Sensor	Internal high-accuracy semiconductor temperature sensor
Measuring range	-30...+60°C
Accuracy	±0.2°C (-30...+60°C) typical ±0.3°C (-30...+60°C) maximum
Measuring interval	15 minutes, default setting. Configurable between 5 - 120 minutes.
Response time	Channel 1: 15 minutes to 90% Channel 2: Configurable 90% response time of 30, 60, 120, 180, 240 or 300 minutes

Power supply

Type	2 pcs LR6 (AA 1.5 V alkaline). For the best battery life, use high quality batteries.
Battery life	5 years minimum with 15 minute data transmission interval and default settings with good radio link

Environment

Storage conditions	-40...+70°C, without batteries, non-condensing
Operating conditions	-30...+60°C
Protection class	IP67
Enclosure material	ABS+PC, black, withstands mild acidic and basic solutions