

# Kide-Sky

## Temperature Transmitter

Kide-Sky-T is a factory calibrated temperature transmitter with an IP67 protection class enclosure. Data is transmitted using LoRa based Nokeval Sky radio technology.

Kide-Sky-T can be mounted into a Kide-Dock, which stores the configuration parameters for the device. Once docked, the Kide-Sky-T loads the configuration and overwrites its previous one. This enables an effortless calibration service for the Kide devices.



## Applications



Food Service



Food Industry



Cold Chain Logistics

## Product highlights and features

Kide Sky is a durable device for long-time usage in extreme environments, such as freezers, cold rooms and food storages.

This waterproof device has a rugged design and can withstand knocks, vibration and drops.

Easy to install, operates independently. No need to configure the device since the settings are already at their best defaults.

# Kide-Sky

## Temperature transmitter



### Environment

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

### Measuring and data transmission

<b>Sensor</b>	High-accuracy semiconductor sensor
<b>Response time</b>	Channel 1: 15 minutes to 90% Channel 2: Adjustable 90% response time of 30, 60, 120, 180, 240 or 300 minutes
<b>Measurement range</b>	-30...+60°C
<b>Accuracy</b>	±0.2°C (-30...+60°C) typical ±0.3°C (-30...+60°C) maximum
<b>Interval</b>	Configurable: 5...120 min
<b>Radio</b>	Nokeval Sky radio technology
<b>Antenna</b>	Internal
<b>Frequency band</b>	433.05 – 434.79 MHz
<b>Transmission power</b>	Max +10 dBm E.R.P.
<b>Range, line-of-sight</b>	Depends on installation location and environment, in good conditions 10 km
<b>Range, indoor</b>	Typically 30...300 m, depending on materials and structures

### Power supply

<b>Batteries</b>	2 pcs LR6 (AA 1.5 V alkaline). For the estimated battery life, high quality batteries
<b>Typical battery life</b>	5 years minimum with 15 min interval

### Measurements

<b>Weight</b>	136g (148g if Kide-Dock is included)
<b>Dimensions</b>	91 x 68 x 31 mm, including Kide-Dock 86 x 68 x 26 mm, without Kide-Dock or bumper domes