



Company: Small Data Garden
 Product name: IOTSU® Temp & Magnet for LoRaWAN®
 Product code: IOTSU® L2R ET06
 Rev: 1.5_13thJan 2022



IOTSU® Temp & Magnet for LoRaWAN®

IOTSU® Temp & Magnet is a wireless device designed for measuring temperature by an external sensor, and to monitor opening and closing of doors. The device has an external temperature sensor and an external magnet sensor which enable it to be used for monitoring of temperature in difficult or hard to reach spaces such as inside containers, cabinets, and fridges, and to detect opening and closing of doors. The device also features an ambient temperature sensor inside the device enclosure.

Installation of this maintenance-free device is quick and easy. Measurement and transmission cycles can be adjusted according to the need.

IOTSU® Temp & Magnet uses the global LoRaWAN® network connection. There is no need for external power supply.

MEASURING AND RECORDING:	
	<ul style="list-style-type: none"> Temperature probe Door Magnet probe
TECHNICAL SPECIFICATIONS:	
Dimensions	: 150 x 60 x 40 mm, cable lengths: Temperature probe 1 m, Magnet probe 4 m
Weight	: 204 g with battery
Sensors	: Temperature, External temperature, External magnet switch
Transmission cycle	: 2 h, adjustable
Measurement cycle	: Transmission cycle /4
Connectivity	: LoRaWAN®
Battery	: 2 x Size C, 1.5 V, lifetime with default settings 5 years, replaceable
IP Class	: IP67
Operating Conditions	: -40 °C...+80 °C
Typical accuracy	: Temperature: ±0.2 °C, Humidity: ±2 %
Certifications	: CE
Mounting	: Screws, adhesive tape



IOTSU® products shall not be used in any other way than their intended use defined by Small Data Garden. IOTSU® products are designed for LPWAN technologies collecting non-critical information. Small Data Garden will not be held liable for any damage which may result from inaccurate readings and delayed data transmission. For more information see SDG's General Terms and conditions for the supply of products and Legal Notices.

Legal notices

The user right of Small Data Garden's firmware is limited to the version and specifications confirmed by Small Data Garden. Any unauthorised usage of device is prohibited and must be suspended by request of Small Data Garden. In addition, Small Data Garden is entitled to charge for unauthorised usage including administrative and solving cost.

Small Data Garden shall not be responsible for damages caused by the user connecting the Products and/or using the Products in any other way than their intended use nor for any damages caused by materials or product design defined by the Client or by the working or manufacturing processes the Client has determined.

IOTSU® products are designed for collecting non-critical information for optimising energy consumption in long term usage and the products are not intended to be used for life and security critical solutions. We rely on high-quality sensor, component and software suppliers and manufacturers and IT, LP-WAN and cloud service providers.

However, for the reason that accuracy and redundancy is depended among other things on operating circumstances, radiotechnology specifications and coverage, and because Small Data Garden relies on specifications provided by its suppliers, Small Data Garden will not be held liable for any damage which may result from inaccurate readings.

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