



Short Description:

The traptice® rodent LTE + PIR is a smart IoT sensor for pest monitoring, equipped with an LTE module and requiring a SIM card. It combines multiple sensors – magnetic, vibration, humidity, temperature and PIR – for precise detection of movements and ambient conditions. Thanks to its compact design and flexible mounting options, the sensor can be easily integrated into compatible mouse tunnels or bait boxes without obstructing visibility through the tunnel. Alternatively, it can also be mounted on walls independently as a standalone PIR sensor. Configuration is conveniently performed via NFC using the WAINS traptice® Companion App. Thanks to its energy-efficient technology, the device offers a battery life of 1 to 2 years and impresses with its robust construction, even in demanding operating environments.



traptice® service desk

Documentation /

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Included items:

1x traptice® rodent LTE + PIR

4x Torx clamping screws TX 8

2x Magnetic holders

2x Phillips-head screw

1x Keppower 14430 battery P14430C4

Mouse tunnels, mouse snap traps, rat boxes and rat snap traps are available separately.



Key Features:

Multi-sensor technology for precise monitoring- PIR, magnetic, vibration, temperature & humidity sensors for comprehensive environmental analysis

Energy-efficient operation

Long battery life (up to 2 years) due to optimized power consumption & Keppower battery

Flexible mounting options

Direct wall/ceiling mounting or integration into compatible tunnel and box systems

Robust, compact design

UV-resistant, industrial-grade ABS plastic with IP66-equivalent protection for harsh operating conditions

Optimized motion detection

PIR sensor with 140° / 120° detection angle and adjustable range of up to 5 meters

Reliable wireless data transmission

Secure communication via LTE for connection to the WAINS cloud

Easy setup via NFC

Quick configuration through the WAINS traptice® Companion App

Technical Data Sheet

traptice® rodent LTE + PIR

V2026_1.1 Created: 13 May 2026

Wireless Transmission	
Technology	Cellular module (pre-certified, LTE-ready), NFC
Tx Power	23 dBm
Dimensions	
Length x Width x Height	56.75 × 51 × 30.5 mm ±1.0 mm (without PIR)
Weight	66 g
Housing	UV-resistant, industrial-grade ABS plastic
Protection Class	IP66-equivalent *
Sensors	
PIR Sensor	Passive infrared sensor
PIR Lens Detection Range	140° / 120°
PIR Lens Detection Distance	Approx. 5 m (testing pending)
Magnetic Sensor	Contactless Hall sensor technology
NFC Interface	Connection to smartphone/tablet for installation
Additional Sensors	
Temperature sensor / humidity sensor / vibration sensor	Measurement values optional; by default, these values are not transmitted in order to reduce daily MEAs. Data transmission can optionally be activated if required.
Environmental Conditions	
Operating Temperature	-10 °C to +40 °C
Storage Temperature	-20 °C to +60 °C
Humidity	0 % to 75 % relative humidity (non-condensing)
Power Supply	
Battery Type	Rechargeable 14430 lithium-ion battery
Expected Battery Life	Up to 2 years (depending on configuration and environment)
Compatible / Approved Battery Models	Keppower 14430 battery P14430C4 (3.6–3.7 V, 1300 mAh) Rechargeable 14430 lithium-ion battery



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Certifications / Standards

Required	CE, WEEE (WEEE-No.: DE19995933 BatteryRegNo.: 36449725)
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*The electronics enclosure is rated to IP66 protection class. Maintaining this rating requires proper and sealed installation within the tunnel.



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