

### metraTec® IPS Beacon S

The metraTec Indoor Positioning System (IPS) offers a flexible infrastructure for locating persons and objects inside a building using wireless technology. Thanks to its modularity and the open protocol you can build very lean solutions with a minimum amount of hardware and without mandatory software licences. At the same time, it can be used to build complex solutions with a high degree of automation including a full RTLS middleware with standardized XML-interface. In every case, you only pay the hardware and software your application requires.

The IPS Beacon S is an active transponder that continuously sends out its ID in a configurable interval which is detected by the IPS Receivers and then sent to a localization software (e.g. our IoT Engine). The distance between sender and receiver can be up to 50 m and can be configured via software. The Beacon S is a portable version for people (keyfob, battery life min. 2 years).

### Applications

- Localization of persons for emergency applications
- Tracking of devices / asset management
- Mobile wireless sensor networks (e.g. temperature measurement)



*Beacon S for persons*

## Technical Specification

Operating Principle	2,4 GHz Wireless Sender (IEEE 802.15.4)
Output Power	max. 4 dBm
Range	upt to 50 m (configurable)
Channels	Channels 11 - 26 supported
Power Supply	Cell Battery
Battery Life	2 years
Signal Intervall	1 - 600 sec (configurable)
Housing	ABS, UL94-HB, IP41
Dimensions	50 x 35 x 10 mm
Weight	approx.. 45 g
Conformity	CE (eg. EN 300 328, EN 300 440)

## At a Glance

- Sends out IDs to Receiver
- Long Battery Life
- Small and light housing

## About metraTec

metraTec develops, manufactures and sells RF hardware for the product segments „Identification“, „Localization“, „Communication“ and „Wireless Power“. It serves a variety of industries, both with standard products as well as custom solutions. Our customers are system integrators, OEM customers as well as research institutes world wide.

### Accessories:

- IPS Ethernet Receiver
- IPS USB Stick (Debugging)



## Contact

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