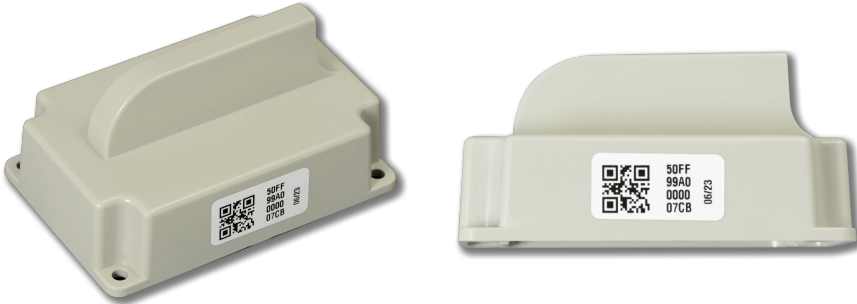


IPS+ UWB Beacon L

Art. no. :
2200 2744



- UWB System (6-7 GHz)
- IP65 housing
- up to 40 m range



IPS+ UWB Beacon L

The Metratec UWB Beacon is the mobile component of an ultra-wideband localization system. With its IP65 water-proof housing it can be mounted on almost any object that needs to be tracked with high precision and speed.

Typical use cases for UWB RTLS systems are forklift tracking in a warehouse, and tracking of reusable containers such as containers and cages in the manufacturing process. Besides logistics applications, the technology can be used in robotics to support traditional vision or LIDAR-based positioning algorithms in environments where optical tracking is unreliable.

Thanks to the flexible firmware, you can choose between high update rates or long battery life, depending on your requirements. The UWB beacon is powered by three changeable AAA batteries, giving it a battery life of 3 - 5 years in typical usage scenarios.



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Technical Specification

Operating Principle	Ultra-Wideband (UWB) RTLS Positioning Beacon
Operating Frequency	6240-6740 MHz (Ranging) and 2400-2480 MHz (Configuration)
Output Power	max. 4 dBm (2.4 GHz) / -25 dBm (UWB)
Channels	IEEE 802.15.4 Channels 11 - 26 supported (configurable)
Read Range	up to 40 m
Operating Voltage	3x AAA Battery (up to 3+ years battery life)
Ingress Protection	IP65
Dimensions	90 x 60 x 45 mm
Certifications	CE (eg. ETSI EN 302 065-1, ETSI EN 300 440)

About Metrateg

Metrateg develops, produces and sells Radio electronics for the areas of "Identification", "Localization", and "Communication" and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.

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