

Data Sheet Sensor Beacon Go 500

Features

- Sensors: acceleration, tilt, temperature, pressure, humidity, magnetic field, light
- Provision of the sensor values via blukii Sensor Beacon Protocol
- Three sensor packages can be selected / deselected via the blukii Configurator App, which transmit the sensor data one after the other according to the set advertising interval
 - Environmental (temperature, light, humidity, pressure)
 - Magnetometer (magnetic field)
 - Acceleration (acceleration and tilt)
- Bluetooth Low Energy® 4.2
- Management and setting of all parameters via blukii Manager and blukii Configurator App
- Individual pre-configuration possible (MOQ: 20 pieces)



Advertising

Beacon protocols	iBeacon, blukii Sensor Beacon Protocol
Advertising interval	0,1s to 10s (adjustable) Default: 1s

Radio

Standard	Bluetooth 4.2 (Bluetooth Low Energy)
Controller	Texas Instruments CC2640
Range	Up to 100m
Frequency range	2.402 to 2.480GHz
TX-Power (adjustable)	High(5dBm) / Medium(0dBm) / Low(-9dBm) / Lowest(-20dBm)
Antenna	Customized OnBoard SMD-Antenna

Sensors

Acceleration / Tilt	0-2g (3-Axis)
Temperature	-40°C to +85°C
Pressure	300-1100hPa
Humidity	0 to 100% (RH)
Magnetic field	+/-1,6mT
Light	0 to 65k lx

Battery

Type	Lithium-manganese-dioxide
Model	Panasonic CR3032 3V/500mAh
Capacity	50mAh
Replaceable	Yes
Lifetime at Advertising interval 0,3s (TX-Power: +5dBm)	0,3 years
Lifetime at Advertising interval 1s (TX-Power: +5dBm)	1,1 years



Mechanical specifications

Enclosure material	Copolyester
Colour	white
Protection Class	IP20
Flammability rating	UL94HB
Dimensions	32x9mm
Weight	15g

Environmental requirements

Operating temperature	-20°C to +60°C (Lifetime drops sharply under 0°C)
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Certifications

CE (2014/53/EU, 2011/65/EU)
