

SpotBot™ BLE Technical Data

MEASUREMENT PARAMETERS



SHOCK



HUMIDITY



TEMPERATURE



TILT

APPLICATION ADVANTAGES

- Creates transparency within the entire supply chain
- Simplified configuration and visualization via mobile application
- Battery with a long lifetime resulting in less handling effort



DEVICE SPECIFICATION

Dimension (LxWxH)	101.8 mm x 91 mm x25 mm
Weight	100g
Power Supply	CR 123A Lithium Battery, 1400 mAh
Battery Lifetime	2 Years (10 min. measuring cycle, +25°C)
Enclosure Protection Class	IP 54
Electrical Protection Class	III
Measuring Interval	1 min to 4 hours (selectable)
Memory Capacity	2 Years (15 min. measuring cycle, typical usage)

OPERATING RANGE

Operating Temperature Range	-25°C to +80°C
Storage Temperature Range	0°C to +40°C
Humidity Range	0% rH to 100% rH (non condensing)
Shock / Acceleration Range	±8g per axis ±13.8g modulus

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ACCURACY

Temperature	±0.5°C (0°C to +60°C) ±1°C (-25°C to +80°C)
Humidity	±5% rH typical ±10% rH maximum (20% rH to 80% rH at 25°C)
Shock / Acceleration	±10%

RESOLUTION

Temperature	0.5°C
Humidity	1% rH
Shock / Acceleration	0.1g

COMMUNICATION

Bluetooth Low Energy Range	Up to 40 m (dependent on external influences)
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USER INTERFACE

App	Free smartphone application for configuration and data analysis
Status LED	Indication of device status, battery level and communication

DIMENSIONAL DRAWING

