

## BLUE PUCK AI



### Bluetooth Low Energy Analog Input sensor

#### BENEFITS

- Integrated 12 bits 0 to 5V ADC
- Very high autonomy : up to 20 years
- High transmission range
- Waterproof (IP65)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period



## TECHNICAL SPECIFICATIONS

### OPERATING MODE

<b>Frequency</b>	2,4 GHz - Bluetooth Low Energy 4.0/4.2
<b>Output power</b>	Up to +4 dBm (configurable)
<b>Range</b>	Up to 500 meters open field (+4dBm)
<b>Transmission period</b>	2 advertising periods can be configured (value between 0,1 and 86400 seconds). Transition from one to another according to configurable sensor threshold
<b>Radio frame format</b>	<b>ELA ID</b> (15 bytes identifier) <b>ELA AI</b> (15 bytes identifier + 2 bytes measured voltage (mV))  <i>Other frame format available on request. Refer to the frames specifications for more informations</i>
<b>Parameters and configuration</b>	Interface/protocol: NFC (Type 2)
<b>Connected mode</b>	Datalogger transmission (record of saved sensor measures) / Battery level
<b>Sensors performance</b>	<b>ADC voltage converter:</b> Range : 0 to 5V, Resolution : 10mV Accuracy : 5% Input impedance : 20kOhms

### BATTERY

<b>Power supply</b>	3 VDC - Internal lithium battery
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