

BLUE PUCK PROXIR



Bluetooth Low Energy distance sensor BENEFITS

- Integrated IR-TOF distance sensor
- High transmission range
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period



TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency 2,4 GHz - Bluetooth Low Energy 4.0/4.2

Output power Up to +4 dBm (configurable)

Range Up to 500 meters open field (+4dBm)

Transmission period 2 advertising periods can be configured (value between 0,1 and

86400 seconds).

Radio frame format ELA ID (15 bytes identifier)

ELA PROXIR (15 bytes identifier + 15 bits distance to obstacle (in mm) + 1

integrity flag)

Other frame format available on request. Refer to the frames specifications for

more information

Settings and configuration Interface/protocol: NFC (Type 2)

Connected mode Datalogger commands (record of saved sensor data)/Battery

level

Sensors performance Range:

Min: 1cm

Max: 50-100 cm (depend on target reflectivity and ambient light)

Precision: +/-5% reading **Resolution:** +/-3% reading



BATTERY

Power supply 3 VDC - Internal lithium battery

Battery life Up to 5 years*

* Refer to the battery life curves for more information

Battery level Low battery warning in advertising frames (<15%)

Battery voltage in scan response frames (configurable)

CERTIFICATIONS

CE / UK CA: EN 300 328 / EN 301 489

Europe EN 55032 / EN 62368-1

FCC: FCC 15.247 / FCC PT 15B

Canada ISED: RSS-247 / ICES-003

RoHS / REACH Yes

HOUSING

USA

Dimensions Ø 57 mm base - Height 20 mm

Weight 41g

Materials DELRIN (POM C)

Waterproof grade IP 68

Operating temperature -20°C to +85°C

Storage temperature -20°C to +85°C

ACCESSORIES

Tag support Holder + double-sided adhesive:

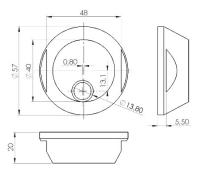
PUCK HOLDER STICKER (ACIOM118B)

Holder only:

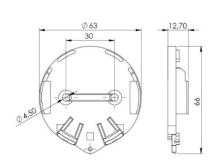
PUCK HOLDER (ACIOM117B) **Double-sided adhesive only:**PUCK STICKER (ACIOM188)

3M PT1100 - Ø 55mm - Thickness: 1,1mm

MECHANICAL DRAWINGS







PUCK HOLDER