

Blue PUCK RHT Mesh



Industrial MESH 2.4Ghz humidity & temperature sensor

BENEFITS

- Simple deployment, maintenance, and expansion
- Waterproof (IP65)
- Smart & secure programming by NFC
- Over-the-air (OTA) firmware update via network



TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency	2.4 GHz – BLE channel / Mesh network													
Output power	Up to +4 dBm (Smart network)													
Range	Up to 140 meters open field (+4 dBm)													
Transmission period	Transmission periods 15" to 18H.													
Radio frame format	Setting of the 3-byte identifier, WIREPAS Network Address and Channel.													
Settings and configuration	Interface/protocol : NFC (Type 2) Network Configuration and Diagnostics: Wirepas Network Tool software													
Autorole mode	Periodic transmission of temperature and humidity measurement													
Sensor performance	<table border="1"> <thead> <tr> <th></th><th>Temperature sensor</th><th>Humidity sensor</th></tr> </thead> <tbody> <tr> <td>Range</td><td>-40°C to +85°C</td><td>0% to 100%</td></tr> <tr> <td>Resolution</td><td>0.01°C</td><td>0.01%</td></tr> <tr> <td>Accuracy</td><td>±0,4 °C max</td><td>±5 % max</td></tr> </tbody> </table>			Temperature sensor	Humidity sensor	Range	-40°C to +85°C	0% to 100%	Resolution	0.01°C	0.01%	Accuracy	±0,4 °C max	±5 % max
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BATTERY

Power supply	3 VDC - Internal lithium battery
Battery life	Up to 4 years Battery voltage level sent via network and on MQTT Topic* <i>*Refer to the battery life curves for more information.</i>

CERTIFICATIONS

Europe	CE : EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368
UK	UKCA
USA	FCC : FCC PART 15
Canada	ISED : RSS-247/ICES-003
RoHS	Yes

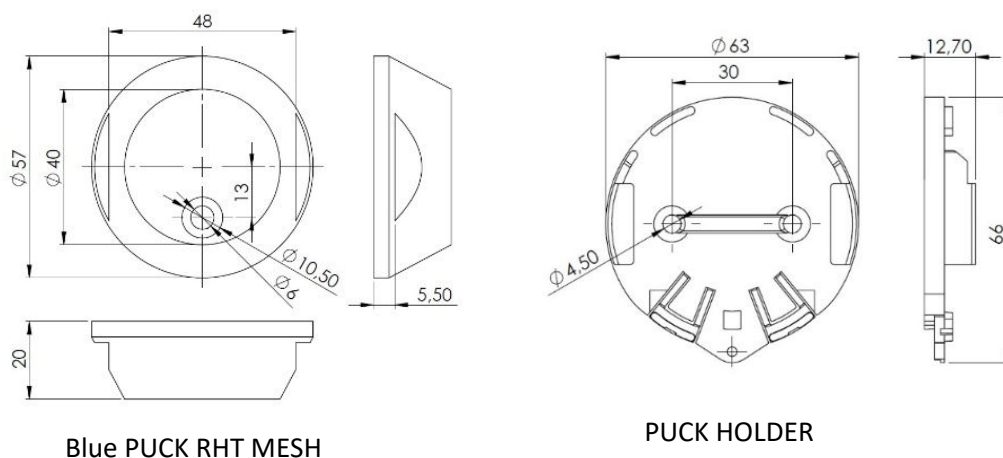
HOUSING

Dimensions	Ø 57mm base – Height: 20mm
Weight	41g
Materials	DELTRIN (POM C) Compatible with food product (90/128/EEC)
Waterproof grade	IP65 non-condensing (Open version excluded)
Operating temperature	-40°C to +85°C

ACCESSORIES

Tag support	PUCK HOLDER STICKER (ACIOM 118B) PUCK HOLDER (ACIOM 117B) PUCK STICKER (ACIOM 188) 3M PT1100 - Ø 53mm – Thickness: 1,1mm
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MECHANICAL DRAWINGS



AVAILABLE REFERENCES

Ref	Description
IDF25442-01A	Blue Puck RHT MESH STACK WP4 compatible & IP65
IDF25442-02A	Blue Puck RHT MESH STACK WP4 compatible OPEN version
IDF25442-03A	Blue Puck RHT MESH STACK WP5 compatible & IP65
IDF25442-04A	Blue Puck RHT MESH STACK WP5 compatible OPEN version