

ECO ES8 - TEMPERATURE SENSOR



Bluetooth Low Energy temperature sensor

BENEFITS

- Integrated Temperature sensor
- High autonomy : up to 5 years
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)



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 200 meters in open field (+4dBm)
Transmission period	Advertising period (0,1 sec to 10 sec – configurable in seconds)
Radio frame format	BLE advertised name (15 characters max.) (15 bytes)* Temperature: (0.01°C) (2 Bytes)* <i>*Refer to the frame specification for more information.</i>
Settings and configuration	Interface/protocole : NFC (Type 2)
Connected mode	Datalogger transmission (record of saved sensor data) / Battery level
Advertising mode	Periodic temperature data transmission
Sensor performance	Range: -30°C to 70°C Resolution: 0,0625 °C Accuracy: ±0.5°C maximum (0°C to 65 °C) ±1°C maximum (-30°C to 0°C and 65°C to 70°C) Calibration: Configurable 3-point calibration coefficients (Polynomial 2 nd degree)

BATTERY

Power supply	3 VDC - Internal lithium battery
Battery life	Up to 5 years* <i>*Refer to the battery life curves for more information.</i>
Battery level	Low battery warning in advertising frames (<15%) Battery voltage in scan response frames (configurable)

CERTIFICATIONS

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

HOUSING

Dimensions	Ø 36mm base - Height 11,5mm
Weight	13g
Materials	DELIRIN (POM C) Compatible with food products (90/128/EEC)
Waterproof grade	IP 68
Operating temperature	-30°C to +70°C

ACCESSORIES

Support du tag	(ACIOM92C) (ACIOM91) (ACIOM187) 3M PT1100 - Ø 34mm - h : 1,1mm
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MECHANICAL DRAWINGS

