Blue PUCK T EN 12830

BLUETOOTH 4.0 LE EN12830 CERTIFIED TEMPERATURE SENSOR

Perfect monitoring solution for a wide use in **the cold chain** logistics, freezers, refrigerators andother temperature sensitive cases. Sensor is EN12830-2018 certified. Sensor uses advanced Bluetooth 4.0 BLE technology to get data from long distance, it can work from internal battery up to **7.5 years**! Collected temperature information of the surrounding environment is transferred to FMB device which has possibility to support **up to four temperature sensors** at the same time!

VERY LONG RANGE
Up to 500 meters (open field)

HIGH LIFECYCLE
Up to 7.5 years

INDUSTRIAL CASING
IP65 waterproof

Technical data

Battery	Lifecycle up to 7,5 years (Beacon rate: 3 s / Power: +4 dBm / Download: 4000 values per day / Temperature: one measurement every 10 seconds)
Operating mode	"Advertising" beacon mode: periodic data transmission (id + sensor data) Online mode: download up to 4,000 stored values
Bluetooth	2,4 GHz - Bluetooth Low Energy 4.0/4.2
NFC	Secured NFC programming
Dimensions	ø 57 mm base - Thickness 20 mm - 2 mounting ø 4 mm holes, spaced of 49 mm
Weight	36 g
Operating temperature	-30°C to +85°C
Ingress Protection Rating	IP65 (Waterproof)
Measuring range	-30°C to +85°C
Accuracy	± 0,5 °C from -25 °C to 85 °C / ± 1 °C from -40 °C to -25 °C
Calibration	Parametric calibration coefficients (Polynomial 2 °)
Resolution	0,0625°C
Transmission range	Up to 500 meters (open field)
Transmission period	0,1 to 10 second (programmable)
Regulatory	CE (Europe): EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 FCC (USA): FCC 15.247 / FCC PT 15B ISED/IC (Canada): RSS-247 / ICES-003 EN 12830-2018 RoHS certified