

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 and other 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

IP68 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 57mm base - Thickness 20mm
Weight	42 g
Operating temperature	-30°C to +85°C
Ingress Protection Rating	IP68 (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 300 330, EN 301 489, EN 62311, EN 62368 FCC (USA): FCC PART 15 ISED (Canada): RSS-247/ICES-003 RoHS EN12830 - 2018

