

# Blue PUCK T-PROBE

## BLUETOOTH 4.0 LE EN12830 CERTIFIED TEMPERATURE SENSOR

Perfect monitoring solution for **COVID-19 vaccines** transportation and storage use cases. As well can be used for other cold chain logistics solutions like freezers, refrigerators. Sensor is EN12830-2018 certified. Sensor uses advanced Bluetooth 4.0 BLE technology to get data from long distance and can work from internal battery up to **15 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)

### EXTENDED MEASURING RANGE

From -80°C to +200°C

### INDUSTRIAL CASING

IP68 waterproof



#### Technical data

Battery	Lifecycle up to 15 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
Puck dimensions	Ø 57mm base - Thickness 20mm
Probe dimensions	Ø 3 mm, Length 28 mm, M8, 1 m cable
Weight	63 g
Operating temperature	PUCK housing : -40°C to +85°C Probe : -80°C to +200°C
Ingress Protection Rating	IP68 (Waterproof)
Probe measuring range	-80°C to 200°C
Accuracy	±0.5 °C maximum (-30°C to +60°C) / ±1 °C maximum (-40°C to +150°C) / ±2 °C maximum (-80°C to +200°C)
Calibration	Parametric calibration coefficients (Polynomial 2 °)
Resolution	0,1°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 PART 15 ISED (Canada): RSS-247/ICES-003 RoHS EN12830 - 2018

