

BOB V1.1	
Performance	Frequency Range: 1Hz to 6,4KHz
	Measuring Range: 1Hz to 3,2KHz
	Resolution: 100Hz
	Sensitivity Temperatur Sensor: +/-1°C
	Operating Temperatur: -20 to +55°C
Hardware	6-axis accelerometer KX124
	Temperature sensor Si7050
	Silicon Labs Cortex-M3 microcontroller EFM32LG
	Flash: 256KB
	RAM: 32KB
	LORA: Semtech Sx1272 LoRa transceiver on 868MHz
	Battery: 2000mAh battery (non rechargeable)
	RGB LED
	Push button
Protocol - Network	LoRa SF6-SF12
	LoRa 1.0.1 Class A, Class C (compatible)
	LoRa sensitivity: -137 dBm
	LoRa Tx: +14dBm
	LoRaWAN EU863-870
Housing	CE marking
	Polyamide 6.6 (PA 66) material
	Indoor & outdoor use (IP68)
	2m drop resistant
	Dimensions: 75mmx50mmx22mm
	Fastening: Screws, Rivet, hose clip, Glue, Adhesive...
	Lexan front panel (customizable)
	Storage temperature: -40°C to +85°C
Software - Firmware	Cartesiam AI algorithm Version 0.4
Antenna design	PCB antenna
Batterie Lifetime 5min	2 Years +