

eBeat Arm Band

LoRaWAN® Device for Continuous Health Monitoring

The eBeat Arm Band by TEKTELIC is the ideal solution to continuously monitor the health and well-being of medical facility patients, senior care residents, or any other individual for potential respiratory illness or other health indicators requiring intervention. This specialized device is designed to continuously monitor an individuals body temperature, one of the most common symptoms of respiratory illness. An adjustable, washable arm-band strap ensures the device can be worn comfortably and discreetly in any situation.

- Hospitals & Medical Facilities
- Senior Care Facilities
- Home Care Monitoring
- Remote Vital Monitoring
- High Density Workplaces
- Schools & Universities



Key Features & Functions

» Body Temperature Monitoring
» SpO2 Monitoring
» Heart Rate Monitoring
» Respiration Rate Monitoring
» Adjustable, Washable Arm-Band Strap
» Fully Integrated Application
» Sleek, Unobtrusive Design
» Up to 4 Month Battery Life



Technical and Functional Specifications

General System Parameters

Operational Temperature	0°C to 50°C
Intended Operational Temperature*	32°C to 42°C
Body Temperature Accuracy	0.05°C from 35° to 40°C
SP02 Monitoring	±2 %with range of 70 to 100%
Heart Rate Monitoring	±5 bpm with range from 30 to 240 bpm
Ingress Protection	IP30
Device Size	66.0 x 36.2 x 11.7 mm
Strap Size	Adjustable
Battery	CR2477
Estimated Battery Life	4 months

*Device will enter a Low-Power Sleep Mode outside this range

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LoRa Parameters

RF Power	8 dBm
RF Sensitivity	up to -137 dBm
ISM Band	All Global Bands
Antenna	Internal
LoRa Device Class	Class A

Regulatory Compliance

Safety	IEC 60950-1 (CE)
Regulatory	ETSI EN 300 220
	ETSI EN 301-489-1/-3
	FCC 15.247 FCC 15.209

