

LORAWAN® WEARABLE PANIC BUTTON · WATCH-STYLE SAFETY WRISTBAND

Personnel Tag PT-3-LoRa

A LoRaWAN® panic button in a watch-style wristband. The PT-3-LoRa combines long-range LoRa transmission with **GPS positioning** and **dual programmable SOS alerts** — reaching up to **5 km** from the nearest gateway, without any cellular subscription. Wear it, clip it or mount it on a helmet.



 LORAWAN 1.0.3

 UP TO 5 KM

 GPS POSITIONING

 IP67

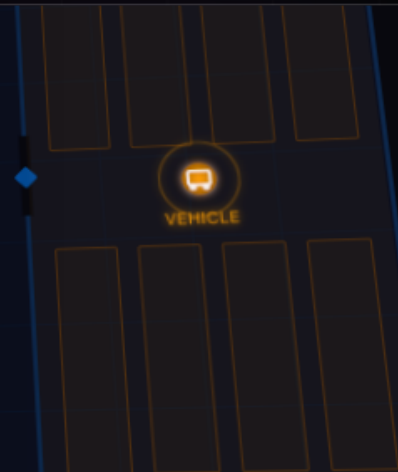
 DUAL SOS ALERTS

 300 MAH MAGNETIC

POWERED BY 4MTRACKING

Wear it. Clip it. Mount it.

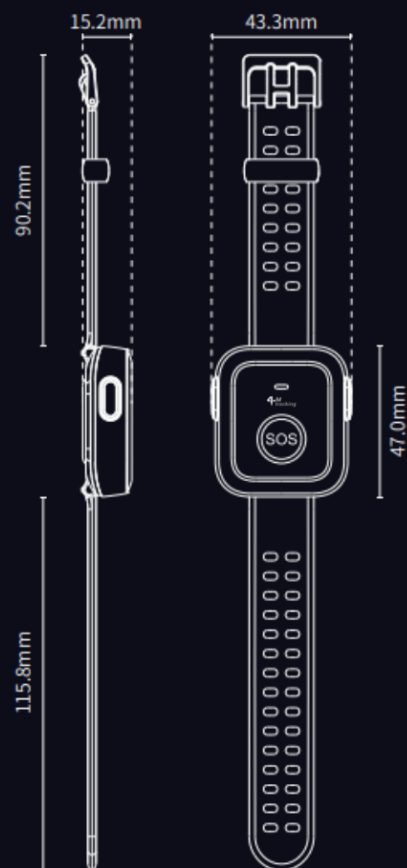
Optional bases support back-clip and helmet mounting, so the PT-3-LoRa adapts to nurses, guards, maintenance staff and construction workers — while 5 km LoRa coverage keeps deployment simple, with no cellular network required.



Technical Specifications

LoRaWAN V1.0.3 wearable panic button with GPS positioning and magnetic-charge battery.

Specification	Personnel Tag PT-3-LoRa
LORA WIRELESS	
Protocol	LoRaWAN® V1.0.3
LoRa chip	SX1262
Frequency bands	EU868 · AU915 · US915 · IN865 · KR920 · RU864 AS923 · AS923-1 / -2 / -3 / -4
Max TX power	22 dBm
Sensitivity	-137 dBm @ SF12
Range*	Up to 5 km (urban open space)
POSITIONING	
GPS	GNSS — meter-level accuracy
HARDWARE	
Dimensions	47 × 43.3 × 15.2 mm
Power button	Magnetic switch
Indicator	Three-color LED (front panel)
SOS alerts	2 × independent programmable · anti-accidental-touch
Working modes	Scheduled · Periodic · Motion · Hybrid
Mounting	Wristband · back-clip · helmet (optional)
POWER	
Battery	300 mAh rechargeable · magnetic charging
ENVIRONMENT	
Operating / storage temp.	-20 °C ... +60 °C
Humidity	10 % ... 90 %
IP rating	IP67
Certifications	CE · FCC · REACH · RoHS (pending)



Dimensions. Device head 47 × 43.3 × 15.2 mm · overall length 115.8 mm including watch-style strap.

*Range measured in open urban area with no obstacles. Actual range depends on environment, antenna gain and LoRaWAN gateway placement.

Key Features

A practical, durable safety wristband for fast and reliable emergency response.

5 km LoRa range — LoRaWAN V1.0.3 covers large sites, campuses and industrial parks with minimal gateway infrastructure and no cellular subscription.

GPS positioning — GNSS tracking delivers meter-level personnel location across outdoor sites and remote areas.

Dual programmable SOS — two independent alert triggers with anti-accidental-touch design; multi-click, long-press (up to 10 s) and alarm-priority logic.

Flexible mounting — watch-style wristband with optional back-clip and helmet bases for nurses, guards, maintenance and construction crews.

Three-color LED + multi-mode — front-panel status indicator; scheduled, periodic, motion and hybrid working modes.

IP67 + magnetic charging — waterproof durable shell with a 300 mAh magnetic-rechargeable battery for simple, contactless charging.



Wear it. Clip it. Mount it. Optional bases add back-clip and helmet mounting — one device for wrist, belt or hard-hat.

APPLICATIONS

• Schools & Campuses

Fast emergency response and staff duress alerts across school grounds and campuses.

• Hospitals & Care

Lone-worker and staff-safety alerting for nurses and care personnel.

• Construction Sites

Helmet- or clip-mounted panic alerting across large outdoor worksites.

• Industrial Parks

Wide-area worker safety over factories with minimal gateway rollout.