

The stand-alone 4G anti-aggression device

The Emerit watch e-WG100 is an ideal warning device for professionals **exposed to the risk of aggression (verbal, mental or physical violence)**. It is a didacted and autonomous device that allows to alert, to geolocate, **and communicate with response staff.**

MICROPHONE INPUT
for the communication

**EMERIT[©]
ALERT SOLUTION**
native

EASY CHARGING
magnetic

**SOS
ALERT BUTTON**
protected

LARGE LOUDSPEAKER
audio doubt removal

TRANSMISSION OF ALERTS
GSM : 2G | 3G | 4G
Wifi : 2.4 GHz | 5 GHz^(S)

**AUDIO
COMMUNICATIONS**
via GSM or WIFI (VoIP)

SIM CARD SLOT
secure

IP65 PROTECTION
CE standard

LOCALISATION
GPS
Wifi
Bluetooth

WINNER
INNOVATION PRIZE
PRÉVENTICA 2022
Lone worker device category

WINNER
GOLDEN TROPHY FOR INNOVATION
EXPO PROTECTION 2022
Protection category



e - WG100

New version 2023

> Key alert features

4 TRIGGERING MODES

- SOS Alert button
- Extended immobility
- Extended tilt
- Wrist shaking movement

3 TYPES OF ALERT SCENARIOS

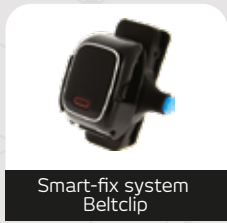
- Internalized : Calls & SMS
- Remote monitoring : Calls & IP protocol SIA DC-09 ⁽¹⁾
- Monitored : Dedicated server IP protocol SIA DC-09 ⁽¹⁾

3 LOCATION MODES

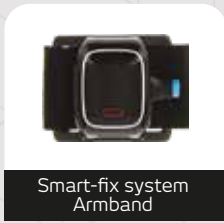
- Satellites : Outdoor ⁽²⁾
- Wifi : Indoor ⁽³⁾
- Bluetooth : Indoor ⁽³⁾

ADVANCED FEATURES

- Unlimited number of alert recipients for calls & sms
- Advances setting of trigger modes (button press mode, sensivity, type and timing of notifications)
- Self-test of the starting system ⁽³⁾
- Remote programming from a dedicated web console



Smart-fix system
Beltclip



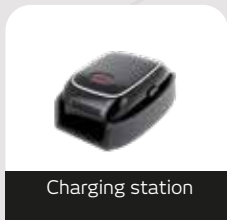
Smart-fix system
Armband



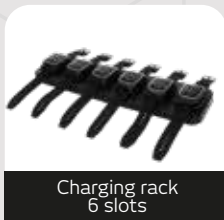
Smart-fix system
Necklace



Smart-fix system
Carabiner



Charging station



Charging rack
6 slots

> Technical specification

RADIO SET UP

GSM (2G)	900 / 1800 MHz
WCDMA (3G)	2100 (B1) / 900 (B8) MHz
FDD-LTE (4G)	B1 / B3 / B7 / B8 / B20
Wifi 4	2.4 GHz 5 GHz ⁽⁵⁾ 802.11 a/b/g/n
Bluetooth	4.1
Satellite Localisation	GPS & Glonass
A-GPS	oui

MEMORY

RAM	512 Mo
ROM	4 Go

SIM CARD

1 slot	NanoSim
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OTHER FEATURES

Processor	Arm Cortex-A53 1.1 GHz
Battery	650 mAh lithium-ion polymer
Screen	1" TFT color
Connectivity	USB / magnetic 4-pin
Operating System	Android Oreo 8.1
Weight	53 g including writbands & battery
Dimensions	58 x 42 x 16 mm
Dust/water tightness	IP65 ⁽⁴⁾ / standard CE
Vibrator	Yes
Micro and Loudspeaker	Yes
Operating temperatures	Between -10°C and +50°C

SPECIFIC ABSORPTION RATE

Head	0.21 W/Kg (limit 2 W/Kg)
Trunk	0.91 W/Kg (limit 2 W/Kg)
Wrist	0.86 W/Kg (limit 4 W/Kg)

BOX CONTENT :

- Watch
- Black silicone bracelet
- Screwdriver
- Charging station
- USB charger
- Quick start guide

OTHER ACCESSORIES AVAILABLE:

- Black nylon bracelet
- Smart-fix system bracelet
- Smart-fix system necklace
- Charging rack 6 or 12 slots
- Smart-fix system armband
- Smart-fix system carabiner
- Lite beltclip
- Bluetooth beacons for indoor location

(1) Requires the underwriting of a specific service contract.

(2) GPS: Depending on the positioning of the device in a vehicle and/or on the user, weather conditions and urban density, the position may not be updated at the time of the alert or imprecise from several hundred meters.

(3) Wifi: Precision depending on the customer's Wi-Fi infrastructure.

Bluetooth: Accuracy depending on the amount of tags implanted and their positioning.

(4) According to IEC 60529: fully protected against dust/water jets from all the directions at the lance (6.3mm nozzle, distance 2.5 to 3m, flow rate 12.5 l/min ± 5%). Splash, water and dust resistance is not a permanent condition. It may decrease due to normal wear and tear and depending on the maintenance of the device. Damage caused by liquids is not covered by the warranty.

(5) 5GHz Wifi available since february 2023

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> Aggression alarm process



SOS BUTTON

Discreet alarm confirmed by vibration
Speaker : off
Microphone : on



LOCATION

GPS outdoor
WIFI indoor
Bluetooth indoor



ALERT MANAGEMENT

The operator of the alarm center carries out an audio verification before the intervention of the emergency services

> The anti aggression configuration

Discreet, ergonomic and quickly accessible, the personal alarm device prevents an escalation of violence and allows a quick alert in case of aggression thanks to its 100% hand-free SOS button. In order to deal with this type of risk, a very special anti-aggression configuration is possible, with the following specific features :

1

The activation of the alarm phase is confirmed by a vibration. This alarm is directly transmitted to the pre-configured recipients by call and/or SMS and/or IP data transmission, without a pre-alarm phase.

2

The watch then switches to a discreet post-alarm notification, without display and without sound location, but with a vibration every 5 seconds. During this post-alarm notification, the screen remains black, the watch automatically picks up incoming calls and mutes the speaker: only the person called can listen to the environment around the watch.

3

To end the post-alarm notification, briefly press the power button twice to display the post alarm notification, then briefly press the SOS button.

> Discreet belt clip

YOU WANT TO WEAR THE ANTI-AGGRESSION DEVICE OTHER THAN ON YOUR WRIST ?

At the request of some of our customers, we have developed a more discreet alternative to our classic belt clip : a variant adapted to the risks of aggression.

Depending on the client and his/her profession, the anti-aggression device can be worn on the wrist or on the belt by removing the bracelets, thanks to our different accessories (see page 2).

