

High Risk Patient Bracelet

Description

The Elpas High Risk Patient Bracelet is a wrist worn Active Radio Frequency Identification (RFID) and Infrared transmitting device that helps guard against patient elopement and wandering in hospitals, geriatric care clinics and nursing care environments.

The bracelet is comprised of an Elpas Active RFID Reusable Tag and a disposable adjustable wrist band made of skin-safe, non-latex material that is attached to the high-risk patient at the time of admission. The tag's onboard RF/IR dual technology transmitter emits low power, UHF (433MHz) beacon type radio frequency (RF) messages plus supplemental infra-red (800nm) messages that enable the real-time visibility of the patient's location to bed-level precision for use by Elpas Wandering Patient Solutions or 3rd party healthcare management systems.

The bracelet's Active RFID Tag also features a magnetic low frequency LF receiver (125 KHz) that enables real-time near exit patient detection plus device supervision that protects against the unauthorized removal of the bracelet from the patient.

The Elpas High Risk Patient Bracelet is IP-67 water rated and may be cleaned with medical grade, Isopropyl alcohol disinfectants. Powered by a single internal lithium battery, the tag's new low power design ensures more than three years of maintenance-free patient deployments.



Elpas High Risk Patient Bracelet



Product Features

- Triple RF/IR/LF signaling technologies
- Suitable for pediatric and adult patients
- Tough, field-proven hospital design
- Visual tamper/removal/low battery indication
- Adjustable, latex-free, disposable wrist bands
- Bath/Shower proof (IP-67 water rated)
- Simple to use, easy to clean & disinfect
- Long Life replaceable lithium battery
- CE, FCC, IC approved

Applications & Uses

- Real-time patient ID certification
- 24/7 high-risk patient tracking
- Wander patient supervision
- Court committed patient monitoring
- Real-time lost patient tracking
- Patient handling and auditing
- Exit/Entrance supervision
- Hands-free access control

Elpas High Risk Patient Bracelet - Confidential Technical & Product Specifications

Electrical Specifications	
Signaling Technologies	RF (433.92 MHz).... IR (880nm)....LF (125KHz)
RF: (Motion/Stationary)	Supervision messages every 10 seconds/ 60 seconds
IR: (Motion/Stationary)	Supervision messages every 10 seconds/ 60 seconds
RF Upon Entry into LF area	Burst of 3 RF transmissions (each transmission @ 2ms in duration), 0.5 seconds apart
RF under LF	2 seconds; after 10 minutes returns to 10 seconds when in motion or 60 seconds when stationary
LF Timeout	Transmits 3 non-LF messages after not hearing from LF for this amount of time
Time to Idle	10 seconds
Events: Band Closed (B2 up) Band Opened/Tamper (B2 down) Low Battery	3 IR/RF transmissions (each transmission @ 2ms in duration), 400ms apart.
Power Source	Internal 3V/600mAh Lithium battery
Average Battery Life (Assuming tag is in-motion 7 hours per day, 7 days per week)	Dual RF/LF: 3 years Triple RF/IR/LF: 1.5 years
Red LED Indicator	Low Battery: Flashes once every 10 seconds Upon Entry into LF Area or Exit out of LF Area: Flashes twice Band Closed/Band Opened: Flashes twice
Badge ID	Unique factory programmed ID
General Specifications	
Construction	Grilamid nylon
Dimensions (H x W x D)	39.4 X 31.5 X 14.8 mm (1.55 x 1.24 x 0.582 inches)
Tag Weight	15 grams (0.5 ounces) approximate
Operating Environment	Temp: -10°C to 70°C (14°F to 158°F), Humidity: 20% to 80% non-condensing
Water Rated Enclosure	Tag: IP-67/Complete Bracelet: IP-55
Remote Management	EIRIS 4.5 (or higher) enterprise software
Standards	EN300 2220-1 & 2 EN 301 489-1&3, EN60601-1-2, CISPR 11:2004 Class B, IEC 61000-4-2 & 4-3 FCC Part 15.231 Level C, FCC ID: 04X5-BTD0043, IC ID: 1467G-BTD00433
Warranty	1 year limited warranty (excluding battery)

All specifications are subject to change without notice.

Ordering Information

Part Number	Description
5-RTD00433	Adult Reusable Tag, WR IR/RF/LF, 433MHz, 10/10/60
5-RTD00433-1	Adult Reusable Tag, WR, RF/LF, 433MHz, 10/60

Selected Compatible Accessories

Part Number	Description
5-RTD90001-1	Disposable Tamper Band, Pediatric 28cm/11.0 inch maximum diameter, (50 units)
5-RTD90001-2	Disposable Tamper Band, Adult Small 30cm/12.0 inch maximum diameter, (50 units)
5-RTD90001-3	Disposable Tamper Band, Adult Medium 34cm/13.0 inch maximum diameter, (50 units)
5-RTD90001-4	Disposable Tamper Band, Adult Large 38cm/15.0 inch maximum diameter, (50 units)
5-BTC90006	Grip key w/lanyard (5 units)
5-RTD00433	Dummy Adult Reusable Tag

For a complete list of compatible accessories, please contact your local VT Sales Representatives.

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About Visonic Technologies

Visonic Technologies (VT) is a global leader in Active RFID/RTLS safety and security solutions for the changing healthcare industry. VT delivers out-of-the-box as well as custom tailored risk mitigation tools that enhance patient and personnel safety; reduces asset shrinkage and labor costs; lessens negligence litigation and facilitates industry guideline compliance.