

## Handheld LF Exciter

### Description

The Elpas Handheld LF Exciter provides on-duty healthcare personnel with an effective, low-cost, easy-to-use tool for performing ad-hoc patient/asset match and association tests, canceling nurse/patient-calls or for triggering entrance or exit monitoring applications.

The Elpas Handheld LF Exciter emits a harmless, low power; sphere shaped magnetic (125KHz) field whenever its large oversized button is engaged. Thus whenever a staff member pushes the exciter's button within a 0 - 30cm (0.0 to 11.8 inches)\* radius of a patient/asset bearing an Elpas active RFID tag, the exciter will trigger the mobile tag to immediately transmit data messages. The data is instantly detected, interpreted and relayed by the legacy Elpas RF reader infrastructure to the host computer in support of the configured medical application.

Typically worn as a neck lanyard, the Handheld LF Exciter is enclosed in a shower proof, IP-64 water-rated black ABS outer housing. Powered by a single commercially available lithium battery (CR-2430 or equivalent), the device provides approximately three years of service before needing replacement. The exciter is shipped with pre-attached neck lanyard and one lithium battery.



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\*Elpas tags and/or badges manufactured prior to Jan 2009 are not designed to properly operate with the Handheld LF Exciter.

### Technical Features

- Small, neck-worn, light-weight, pendant
- 0.0 - 30cm (0.0 to 11.8 inches) 125KHz LF field
- LF Field generation LED indicator
- Shower proof, IP-64 water-rated housing
- Lithium replaceable battery (CR-2430)

### Applications & Uses

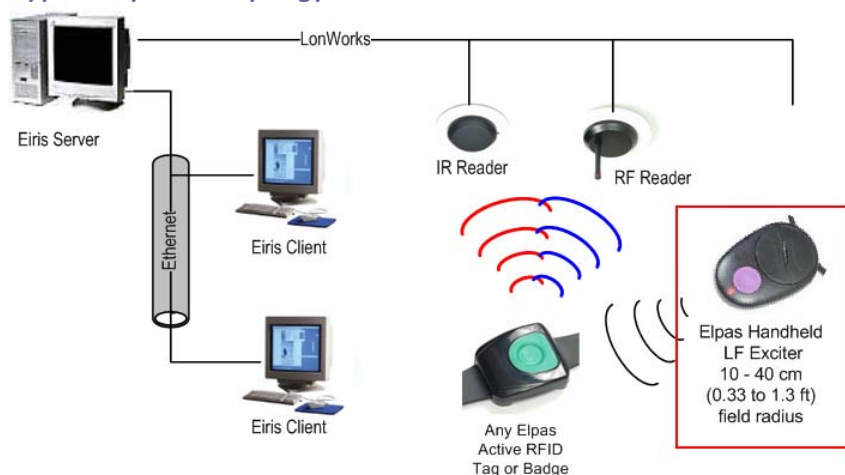
- Nurse/Patient call
- Baby-Mother association tests
- Asset verification testing
- Asset/Patient identification
- Entrance/Exit applications
- Geriatric/nursing care facilities
- Maternity wards
- Acute care hospitals

## Elpas Handheld LF Exciter – Data Sheet

Electrical Specifications	
Field Technology	125KHz, Low frequency electromagnetic fields
Power Source	Lithium 3V / 900mA (type CR 2430 or equivalent)
Battery Life	3 years (typical usage)
RED LED Indicator	<b>Constant:</b> Indicates button press <b>Slow Flashing (once or second):</b> Improper exciter ID address <b>Fast Flashing (every 0.5 second):</b> Low battery condition
Output & Format	125KHz; 3 byte messages
LF Field Range	From 0 to 30cm (0.0 to 11.8 inches) radius Range may vary due to the relative orientation of the exciter to the tag/badge
LF Transmission Rate	Continuous bursts of LF emissions while button is pressed (each about 12ms in duration)
Exciter ID code	Set by on-board 8 position DIP-switch
General Specifications	
Construction	Black, ABS plastic
Housing	IP-64 water rated enclosure
Dimensions (H x W x D)	34mm x 40mm x 15mm (1,3 inches x 1.6 inches x 0.6 inches)
Weight	40 grams (1.4 ounces) including lanyard and battery
Operating Environment	Temperature: 0°C to 50°C (32°F to 122°F) Humidity: 80% maximum, non-condensing
Remote Management	EIRIS 4.5 (or higher) enterprise software
CE Standards	EN 300 330-1, EN-301 489-1, EN-301 489-3, EN50130-4, IEC 60950-1, EN 60950-1
FCC Approvals	Pending
Warranty	1 year limited warranty (excluding battery)

All specifications are subject to change without notice.

### Typical System Topology



### Ordering Information

Part Number	Description
5-HLA00125	Handheld LF Exciter
5-PBA90003	3V/600mAh Lithium Battery, CR2450 (25 pcs)

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### About Visonic Technologies

Visonic Technologies is a global leader in unified active RFID/RTLS solutions. The company caters to the needs of industries and institutions where the real-time identification and location tracking of people and/or mobile assets is mission critical to their internal security and safety operations.



Manufactured In Israel

