

## LF Field Meter

### Description

The Elpas LF Field Meter is a battery-powered hand-held, magnetic field meter. The device employs an on-board 3-axis sensor and microprocessor to process and display representative amplitude values of the detected low frequency (125 KHz) flux density within the theoretical coverage area of a specific Elpas LF Beacon.

The device is designed for system integrators, field service or maintenance engineers that need to: identify and eliminate LF exciter signal overlap, reduce/expand signal penetration or just speedup the process of maximizing overall signal coverage.

The LF Field Meter is especially useful for identifying and isolating detrimental low frequency ambient noise such as magnetic fields emanating from overlapping LF Beacons, HVAC compressors electric motors or metal barriers (such as ceiling tiles/signs/pillars/beams) that may be adversely distorting the coverage area of a LF Beacon.

The meter can also be used to verify the identification address of the specific LF Beacon whose magnetic field is undergoing evaluation.

**Note:** Each LF Field Meter is shipped with one 9.0 volt transistor battery.



Elpas LF Field Meter

Product Specifications	
LF Field Range	125KHz
Power Source	Alkaline 9.0 volt transistor battery (Duracell MN1604 or equivalent)
Power Consumption	Less than 20mW (typical usage 50 hours)
Visual Display	3.5 digit Liquid Crystal display (LCD)
Power Range	To 60 dbµv
Displayed Values	< 10: No detected LF field or No ambient noise detected in environment 10 < Value < 200: Usable LF field detected 10 < Value < 250: Ambient noise detected 200 >: Detected LF field over saturated
Green LED Indicator	<b>Not Lit:</b> No LF field/ambient noise detected <b>Flashing:</b> Meter set ID does not match Beacon ID <b>Constant:</b> Meter set ID matches Beacon ID
DIP Switch	Represents ID address of detected LF Beacon
Construction	Polymer plastic (not waterproof)
Dimensions (H x W x D)	151mm x 82mm x 33mm (5.9 x 3.2 x 1.3 inches)
Weight	195 grams / 6.8 ounces
Operating Environment	Temp: -10°C to 50°C (14°F to 122°F) Humidity: 5% to 80%, non-condensing

All specifications are subject to change without notice.

### Ordering Information

Part Number	Description
5-LFM00125	LF Field Meter

### About Elpas

Elpas (formerly Visonic Technologies), is part of the Security Products business unit of Tyco (NYSE: TYC), the world's largest pure-play fire protection and security company.

Elpas delivers a complete line of real-time location based tracking solutions that help to enhance individual safety, reduce property shrinkage, streamline operational workflows, protect the vulnerable, lessen negligence litigation and facilitate industry guideline compliance.