

2380009011

# FSM Field Strength Meter

## Hearing Loop Equipment

The FSM is a cost effective and simple solution for measuring, setting up and commissioning an induction loop system to the requirements of IEC60118-4.

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## Description

The FSM is a cost effective and simple solution for measuring, setting up and commissioning an induction loop system to the requirements of IEC60118-4. The meter is an ergonomically designed hand held instrument for measuring loop system performance. There are three calibrated operational modes for the assessment of Background Noise, Field Strength and Frequency Response as required to ensure correct function of the loop system. The meter also doubles as a loop listener, with a headphone output to listen to the signal in the loop.

The meter is supplied in a soft case with an audio CD with the required test signals, and full operating instructions including a guide to commissioning.

- ✓ Simple assessment of any system to IEC60118-4
- ✓ Three modes of operation for three test types
- ✓ A-Weighted background noise • Broad band mode (50Hz - 8kHz)
- ✓ Frequency response (100Hz, 1kHz, 5kHz)
- ✓ True RMS detection calibrated to 400mA/m = 0dB

# Specifications

## MAGNETIC FIELD MEASUREMENT

Coil orientation	Vertical when unit held upright
Reference level	400mA/m (In Field strength mode)
Frequency response	50Hz to 8kHz $\pm 0.25$ dB 30Hz to 10kHz -3dB
Gain stability	Better than 0.5dB over all conditions

## OUTPUTS

Display	Flying spot LED bar graph with wide viewing angle Colour coded (green for -3dB to +3dB)
Audio (headphone)	16 $\Omega$ min (32 $\Omega$ per side) 3.5mm stereo jack connector

## POWER

Battery	2 x AA alkaline (supplied)
Battery monitor	Battery OK when LED illuminated
Battery life	Up to 100hrs use, dependent on use pattern

## PHYSICAL

Dimension	84 x 27 x 140mm (FSM only)
Weight	150g excluding batteries
Temperature range	-10 to +45°C
Humidity	10 to 85% RH