

CMR3 Calibrated Audio Induction Loop Receiver

The CMR3 calibrated receiver is designed for measuring the performance of audio induction loop systems. The audio output is within ± 0.25 dB over the frequency range and where used with a suitable audio analyser such as the Minilyser from Neutrik Ltd, the frequency response and field distribution of the magnetic field from any audio induction loop system can be plotted.

Calibrated to provide 0dBu output for a field strength of 400mA/m RMS, in accordance with the international induction loop standard IEC60118-4 it is an essential tool for anyone wishing to assess loop system performance for analyses or certification.

Features

- Enables easy assessment of the system to the international induction loop standard IEC60118-4
- Accuracy to within 0.5dB
- 5 year warranty
- Compatible with most audio analysers

Applications include

- Measure loop coverage and spill
- Assess frequency dependent loss due to metal structures
- Certification of an induction loop system to IEC60118-4

Optional Accessory

- Audio cables are available for simple interfacing of audio devices to loop systems - order code SCC



Specification

Magnetic field response

400mA/m RMS	0dBu audio output (0.775V)
Field strength	Coil orientation vertical (indicated by ↑)

Frequency response

50Hz to 8kHz	± 0.25 dB,
30Hz and 14kHz	-3dB
A-weighting filter	EN61672-1:2003 sound level meter (Switched)

Gain stability

Output variation over battery life	<0.1dB
Output variation due to loading	<0.1dB
Output variation over temperature range	<0.25dB
Overall gain variation	<0.5dB

Output

Output type	Active Balanced
Load impedance	>600 Ω
Connector	3.5mm stereo jack socket

Power

Battery	2 x AA alkaline
Battery life	Approximately 200 hours
Battery condition	OK when LED illuminated

Physical

Dimensions	62 w x 26 d x 112 h (mm)
Weight	84g (excluding batteries)
Temperature range	-10°C to +45°C

Accessories

3.5mm stereo plug to XLR plug adaptor cable supplied (1.5m length)

Standards Compliance

The CMR3 is CE marked to all relevant safety and EMC standards