inLOOP FIELD STRENGTH METER

inLOOP products are made exclusively in the USA. Some electronic parts are not produced in the US and have to be imported.

SPECIFICATIONS

Field Strength Meter calibrated to measure and report induction loop field strength in compliance with IEC 60018-4:2006

DIMENSIONS

FSM 5” x 3” x 1.5”

Package 9” x 7” x 3”

2 lbs.

CONTENTS

inLOOP Field Strength Meter

9 volt battery

Hedphones

Certificate of Comformity

WARRANTY

The inLOOP FSM is warranted for life; excluding damage or failure caused by misuse, neglect or excessive electric current or voltage fluctuations.

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INSTRUCTIONS FOR USE

To conform to the IEC 60118-4:2006 standard

All measurements must be made with the Field Strength Meter in the upright position at a height of four feet from the floor for seated hearing instrument users and six feet for standing users.

BACKGROUND NOISE – Field Strength Meter set to BACKGROUND

-32 dB is accepted by the IEC standard for background noise, so the FSM should not register above -33. For limited conversation areas like information desks, the background noise ceiling is raised to -22 dB; do not exceed -24 on the FSM.

FIELD STRENGTH VARIATION – Field Strength Meter set to NORMAL

Broadcast a 1 kHz tone into the loop field. Adjust the field strength to approximately -12 dB using the Normal scale. The field strength should be within ± 3 dB. Repeat the process with 100Hz and 5kHz tones.

MAXIMUM FIELD STRENGTH LEVEL

Apply an artificial speech signal, or a comparable recording and measure for the highest peak. The loudest sounds should peak at the 0dB level.

FINAL ADJUSTMENT

Connect the loop amplifier to the sound system that will be providing the audio signal under normal operating conditions. Adjust the volume. NOTE: inLOOP amplifiers are digital and do not reproduce noise in the loop signal like linear amplifiers. This will result in an uncomfortably loud sound level in the hearing instrument if the volume is set to peak at 0dB. With digital loop amplifiers the peak should be -3dB.