

• FPROK: Fosmeter Induction Loop Test Kit

SigNET's new FPROK Fosmeter Pro induction loop test kit is designed to simplify the setup of an induction loop system and ensure its compliance with the latest version of BS EN 60118-4 (Magnetic field strength in audio-frequency induction loops for hearing aid purposes).

The kit includes the FPRO Fosmeter Pro induction loop tester (pictured right), an MP3 player c/w pre-loaded test tones and a set of headphones.

The Fosmeter Pro is a 400mA magnetic field strength meter and loop listener, complete with circuitry for measuring background noise, frequency response and metal compensation. It includes:

- A digital LCD display with a user-friendly interface to simplify testing
- Two 'soft' buttons which dynamically change their functions to suit the menu options being accessed
- Battery low indication and an auto-power off function that kicks in after 10 minutes of Fosmeter inactivity
- A 3.5mm headphone jack socket allowing users to listen to the loop signal using a set of HEAD1 headphones (supplied in FPROK kit)

The unit is powered from a 9v PP3 battery (provided) and is supplied in a protective canvas carrying case.

One FPROK Kit (plus ancillaries such as MP3 player/amplifier connection leads) is all it takes to ensure your loop installations comply with current British Standards.

Test Menus:

The Fosmeter Pro's test results are typically shown on its LCD as shown right. A summary of these tests appears below:

- **Field Strength Test:** Detects a pulsed 1kHz signal in accordance with BS EN 60118-4, calibrated at 400mA/m = 0dB L.
- **Background Noise Test:** Advises if the signal is acceptable, tolerable or too high in accordance with BS EN 60118-4.
- **Frequency Response Test:** Detects 100Hz, 1kHz and 5kHz in accordance with BS EN 60118-4. All three frequency readings are displayed on the same screen allowing you to tell at a glance if the setup is within the +/- 3dB L required by the standard.
- **Metal Compensation Test:** This test goes beyond the scope of BS EN 60118-4 but adheres to the 3rd octave frequency spectrum advised in the standard, measuring 1kHz through 8kHz. For use with amplifiers with metal compensation controls/functions such as the PDA200/2, 500/2 & 1000/2.
- **Subjective Listening Test:** This test is designed to ensure hearing aid users receive an undistorted and clear signal in the covered area and is performed using a set of headphones (supplied) plugged into the unit's headphone socket.



• RXTi2: Induction Loop Receiver

The RXTi2 Induction Loop Receiver picks up audio signals from the loop through a pair of headphones (not supplied) and allows the signal quality to be assessed for testing purposes.

Designed to allow installers and the non hard of hearing to test and assess the quality and availability of a loop system. The RXTi2 may also be used in non hard of hearing applications such as multi-lingual translations, museum talk-through systems and stage talk-back systems.

Features:

- Soft start function
- 50Hz filter (to cut out mains hum pick up)
- Compact size
- 3.5mm headphone socket (for headset / earbud)
- Powered by 2 x AAA batteries



CAUTION: The audio output from the RXTi2 can exceed 100mW into 8Ω. This may cause hearing damage with long term exposure. Care should be taken not to use excessive volume when testing loop systems.