



Product Overview:

The FSM Magnetic Field Strength Meter from Ampetronic 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 and with full operating instructions including a guide to commissioning. The Ampetronic FSM can be used to monitor, set up or commission any induction loop system regardless of the manufacturer or type.

Highlights:

- 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
- Wide viewing angle LED display
- Colour coded LEDs for simple readout
- Resolution to 1dB
- Head phone output with volume control
- Ergonomic, rugged, light weight construction
- Quick start guide
- Soft carry case
- 5 year warranty

Includes:

Accurate set-up and commissioning System monitoring and maintenance Site surveys Certification to IEC60118-4
Assessment of frequency losses due to metal Assessment of loop coverage and overspill Assessment of background noise
Included Accessories Soft carry pouch User guide/handbook Commissioning Certificate (template) Batteries

Product Specification: Field Strength Meter	
Audio	
Frequency Response	50 Hz to 8 kHz \pm 0.25 dB, 30 Hz to 10 kHz -3 dB
Gain Stability	Better than 0.5 dB over all conditions
Indicators	
LEDs	Color Coded - Green for -3 to +3 dB, Red for -4 to -22 dB
Interconnections	
Headphone Connector	3.5 mm Stereo Connector, 16 Ohms (32 Ohms per side)
Loop	
Coil Orientation	Vertical when held upright
Reference Level	400 mA/m (In field strength mode)
Power	
Battery Type	Two (2) x AA Alkaline
Battery Life	Up to 100 hrs. use, dependant on use pattern
Battery Monitor	Battery OK when LED illuminated
Physical	
Width	3.3 in. (84 mm)
Height	5.5 in. (140 mm)
Depth	1.0 in. (27 mm)
Shipping Weight	1.2 lbs. (0.54 kg)
Weight	1.2 lbs. (0.54 kg)
Environmental	
Relative Humidity	IP20 Protection, 20 to 90% Relative Humidity, 14 F (-10 C) to 113 F (45 C)