

# ***AMPETRONIC***

Listen to the difference

## **FSM**

### Field Strength Meter



**SCAN ME**

[www.ampetronic.com/fsm](http://www.ampetronic.com/fsm)

Use QR code or link above to access handbook, datasheet, test signals, video tutorials, commissioning templates and other resources.

## **Box Contents**

- 1 x FSM
- 2 x AA Batteries
- 1 x Pouch
- 1 x Calibration Certificate

## **Overview**

The FSM is a calibrated test meter for evaluating the performance of hearing loop systems against the international standard IEC 60118-4.

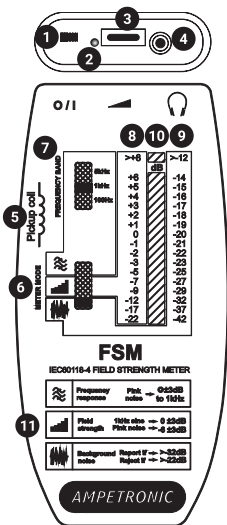
It can be used with any manufacturers products and system types.

There are 3 modes to measure magnetic background noise, system field strength and frequency response.

For a full commissioning test you will need to be able to input test signals into the loop driver, the test signals, commissioning forms and other resources are available to download at [www.ampetronic.com/fsm](http://www.ampetronic.com/fsm) or scanning the QR code on the front cover.

The meter must be held vertically with the coil image at the intended listening height.

Ampetronic recommend yearly recalibration of the FSM, which can be provided by Ampetronic or selected authorised distributors.



## Controls & Features

1. Power switch
2. Power indicator
3. Volume control
4. Headphone socket
5. Pick-up coil position
6. Meter mode
  - Green – Background Noise
  - White – Field Strength & Listening
  - Blue – Frequency Response
7. Frequency band
8. Signal level (field strength & frequency response)
9. Signal level (background noise)
10. Overload indicator
11. Test criteria quick reference

## **DECLARATION OF CONFORMITY**

Manufacturer: Ampetronic Ltd.

Unit 2, Trentside Business Village  
Farndon Road  
Newark  
NG24 4XB

Declares that the product:

Description: Field Strength Meter  
Type name: FSM

Conforms to the following EU Directive(s) and UK Statutory Instrument(s):

EMC: 2014/30/EU and 2016 No.1091

EN55032:2015 Emissions,

EN55103-2:2009 Immunity

Electrical Safety: 2014/35/EU and 2016 No.1101

EN62368-1:2020

RoHS: 2011/65/EU and 2012 No.3032

REACH: 2006/1907/EC and 2020 No.1577

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