


# Univox® FSM Basic

## Analogue field strength meter

### Features

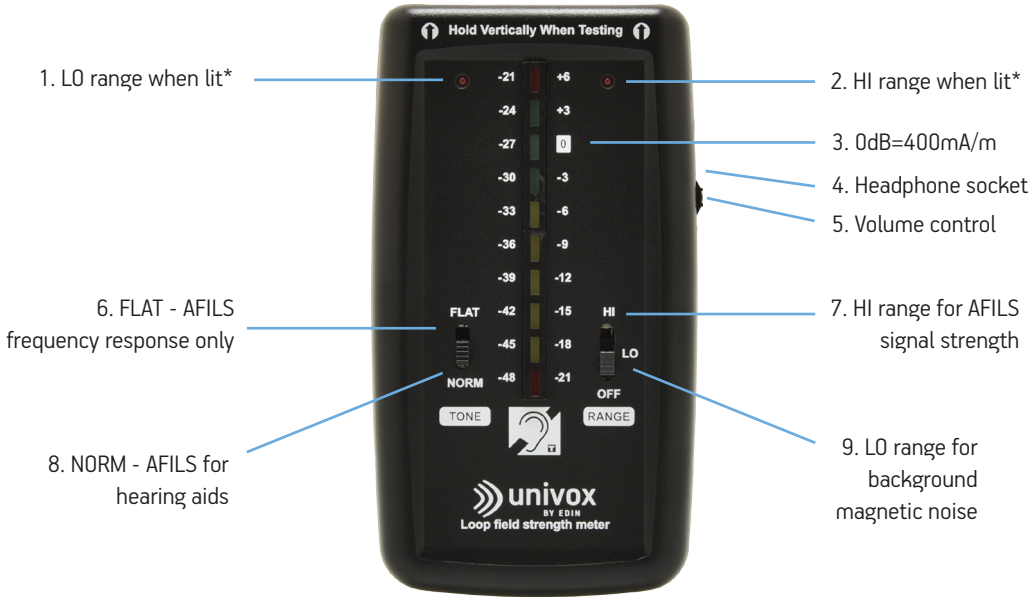
- PPM meter responding to program peaks
- Real time verification of sufficient field strength for good speech clarity
- The monitor audio output is active on all range and filter combinations.
- Operates over a very wide range of 54dB in two stages
- Two measurement filter (tone) responses
- Low battery indication
- Volume control
- High quality components for low noise
- The meter is calibrated, traceable to International Standards

## For performance measurement of induction loops

Univox® FSM Basic is a calibrated precision measurement device, designed for measuring the performance of Audio Frequency Induction Loop Systems (AFILS). The meter enables easy and straight-forward assessment of background noise, field strength and frequency response of the system to comply with the requirements of IEC 60118-4.

Two different frequency response characteristics are provided: 'NORMAL' which is a restricted response, similar to that of a hearing aid, and 'FLAT' which is a wide, flat response, similar to that of an equalized induction loop receiver for wide-band communication.

The meter is calibrated in two ranges; +6dB to -21dB and -21 to -48dB with respect to the field strength of 400mA/m, recommended by IEC 60118-4, allowing background magnetic noise levels to be measured as well as AFILS signal strengths. The measured audio signal may be monitored using headphones on all range and filter combinations.




* The range indicator in use flashes when the battery is low.

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# Technical data Univox FSM Basic

| | |
|---|---|
| Power: | 1 x PP3 9V alkaline |
| Current drain: | 20-50mA |
| Battery life: | >10 hours |
| Indicating ranges: | -51dB to -24dB and -24dB to +3dB with respect to 0.40A/m |
| Indicator style: | BBC/EBU Peak Program Meter (3ms attack, 650ms decay) |
| Resolution: | 3dB |
| Absolute accuracy: | ±0.5dB@0dB (400mA/m) and -27dB(18mA/m) |
| reducing to | ±1.5dB@-24dB(25mA/m) and -48dB(1.6mA/m) |
| Filter characteristics | NORM: -3dB@630Hz & 5kHz |
| | FLAT: -3dB@40Hz & 14Hz |
| Headphone monitor: | Max 2x19mW into 32ohms |
| Relevant standards: | EN 60118-4 |




Delivered in a practical case with headphones, battery, USB memory stick with signal files and manual, as well as the calibration certificate.

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For complete manual, please refer to univox.eu.

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