



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.

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:	$\pm 0.5\text{dB}@0\text{dB}$ (400mA/m) and -27dB (18mA/m)
reducing to	$\pm 1.5\text{dB}@-24\text{dB}$ (25mA/m) and -48dB (1.6mA/m)
Filter characteristics	NORM: $-3\text{dB}@630\text{Hz}$ $\pm 5\text{kHz}$ FLAT: $-3\text{dB}@40\text{Hz}$ $\pm 14\text{Hz}$
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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