



AV11 Monitoring Probe

Uses

The 1-channel monitor amplifier AV11 is a handheld, accu driven monitoring probe, which has been constructed mainly to monitor acoustic signals or to detect noise sources with headphones.

AV11 offers you many possibilities to locate disturbance sources. It comes with a permanently mounted 120mm swan-neck and directional Microphone.

The measuring signal can be weighted with the switchable octave filter (9 frequencies) or third octave filter (25 frequencies). So you can detect the exact frequencies of the disturbance source.

At the output socket you get a voltage proportional to the sound pressure independent of the amplification of the headphone amplifier. So the instrument can be used as a front end for analyzers or similar instruments. The AV11 has been constructed for mobile uses.

The AV11 is also suitable for robust environmental conditions.

Features

- Handheld monitoring probe with permanently mounted 120mm swan-neck and directional Microphone
- Measuring output
- Adjustable Headphones output
- Input amplifier: 0 dB and +20 dB selectable
- Switchable octave filter, 9 frequencies
- Switchable third octave filter, 25 frequencies
- Display with backlight
- Overload indication
- Internal rechargeable accu for portability
- Robust aluminum cabinet



TECHNICAL DATA

Analog Input permanently mounted directional microphone MI10

Analog Outputs 2

Measuring output

Connector: BNC

Output Impedance: 50 Ω in series with 10 μ F

Max. Impedance: > 10 k Ω , <10 nF

Headphones output

Connector: 3,5 mm jack

Amplifier amplification: 0dB, +20 dB

Headphones amplifier

Max power: 1 W on 16 Ω

Distortion : < 1% at 1 kHz and 4 Vpp

Bandwidth (Lin., -3 dB): 20 Hz to 20 kHz

Filter

1/1 Octave filter, switchable - Frequencies:

32 Hz, 64 Hz, 125 Hz, 250 Hz, 500 Hz, 1kHz, 2 kHz, 4 kHz, 8 kHz

1/3 Third octave filter, switchable - Frequencies:

32 Hz, 40 Hz, 50 Hz, 64 Hz, 80 Hz, 100 Hz, 125 Hz, 160 Hz, 200 Hz, 250 Hz, 320 Hz, 400 Hz, 500 Hz, 640 Hz, 800 Hz, 1 kHz, 1,25 kHz, 1,6 kHz, 2,0 kHz, 2,5 kHz, 3,2 kHz, 4 kHz, 5 kHz, 6,4 kHz, 8 kHz

Power supply

internal: 4,8 V rechargeable accu

external: 100 – 240 V / AC plug-in charger

Current consumption: 100 mA – 150 mA

Battery operating time: 6 – 8 h

Operating temp. range: +/- 0°C bis +50°C

Cabinet material: aluminium

Dimensions with swan-neck (W x H x D): 43 x 24 x 510 mm

Weight with accu: approx. 355 g

Accessories included 100-240 V / AC plug-in charger