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 μF
- Max. Impedance: > 10 kΩ, <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, 1 kHz, 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: aluminum
Dimensions with swan-neck (W × H × D): 43 × 24 × 510 mm
Weight with accu: approx. 355 g
Accessories included: 100-240 V / AC plug-in charger

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