

## AV10i Electronic Stethoscope

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Electronic Stethoscope AV10i for locating sound sources.

### Uses

- Acoustic Measurements
- Source Location
- Machine Diagnosis

## AV10i Monitor Amplifier

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### Features

- IEPE Input channel (Microphone or acceleration sensor)
- Linear frequency range
- Measuring output
- Adjustable Headphones output
- Input amplifier: 0 dB and +20 dB selectable
- Internal rechargeable accu for portability
- Robust aluminum cabinet

The monitor amplifier AV10i is a handheld, accu driven instrument, which has been constructed mainly to monitor acoustic signals with headphones.  
AV10i offers you many possibilities to locate disturbance sources.

**Front****Backside**

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 AV10i has been constructed for mobile uses. The AV10i is also suitable for robust environmental conditions.

## Technical Data AV10i

### *Analog IEPE Input*

Number: ..... 1

#### constant current (IEPE) input

IEPE power: ..... 22V / 4mA

Connector: ..... BNC

Impedance: ..... > 100 k $\Omega$

### *Analog Outputs*

Number: ..... 2

#### 1 Measuring output

Connector: ..... BNC

Output Impedance: .. 50  $\Omega$  in series with 10  $\mu$ F

Max. Impedance: ..... > 10 k $\Omega$ , <10 nF

#### 2 Headphones output

Connector: ..... 3.5 mm jack

### *Amplifier*

#### Input amplifier

Amplification: ..... 0dB, +20 dB

#### Headphones amplifier

Max power: ..... 1W on 16  $\Omega$

Distortion factor: .. < 1% at 1 kHz and 4 Vpp

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

### *Power supply*

internal: ..... 4,8 V rechargeable accu

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

Current consumption: ..... 50 mA – 100 mA

Battery operating time: ..... 8-10 h

### *Operating conditions*

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

### *Mechanical Data*

Cabinet material: ..... Aluminum

Dimensions (W x H x D): 41 x 24 x 210 mm

Weight with accu: ..... approx. 350 g

### *Accessories included*

100-240 V / AC plug-in charger

Messelektronik Ulrich Falm reserves the right to change specifications and accessories without notice.