

## AV71

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7-channel Microphone selection and amplifier box

### Uses

- Acoustic Measurements
- Source Location
- Machine Diagnosis

### Features

- Seven Microphone Input channel
- One output: Mixed signal or selected signal
- Adjustable Headphones level output
- External: 12 Vdc power supply
- Robust Aluminium cabinet

The 7-channel monitor amplifier has been constructed mainly to monitor acoustic signals with headphones.

AV71 offers you many possibilities to locate disturbance sources. It has 7 measuring channels for microphone MI10S.

At the output socket you get the selected signal or all seven signals mixed.

This output voltage is proportional to the sound pressure independent of the amplification of the headphone amplifier. So the instrument can be used as a front end.

The AV71 is suitable for robust environmental conditions.

## Technical Data AV71

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### *Analog Inputs*

Number: ..... 7

#### Microphone input

Connector: ..... BNC

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

### *Analog Outputs*

Number: ..... 1

#### Measuring output

Connector: ..... BNC

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

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

#### Headphones output

Connector: ..... 3.5 mm jack

### *Headphone Amplifier*

#### Amplifier

Amplification:

Max. gain: +40 dB

Max. Power: ..... 0,5W on 32  $\Omega$

Distortion factor: < 1% at 1 kHz and 4 V peak to peak

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

### *Power supply*

External: 100-240 V / AC, 12Vdc power supply

Current consumption: ..... 150 mA – 200 mA

### *Operating conditions*

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

### *Mechanical Data*

Cabinet material: ..... Aluminum

Dimensions (W x H x D): 105 x 65 x 100 mm

Weight: ..... approx. 550 g

### *Accessories included*

100-240 V / AC , 12Vdc power supply

## Scope of delivery

- 1 x AV71: 7-Channel Monitor Amplifier
- 1 x 100-240 V / AC plug-in supply

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