

## MSxx and MVxx

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Microphone Power Supply

### Uses

- Measurement of Sound and Vibration
- Measurement of Sound insulation
- Monitoring of traffic noise

### Features

- 0 V or 200 V polarization voltage for condenser microphones
- 30 V or  $\pm 15$  V for preamplifier
- Up to 8 identical channels
- Battery-operated optional
- Types MVxx with gain of +0 dB, +20 dB, +40 dB and Overload Indication



The battery-operated power supplies series MSxx and MVxx return 0 V or 200 V polarization voltages for condenser microphones and 30 V or  $\pm 15$  V for the preamplifier. They are thus suitable for a large number of commercially available condenser microphones.

The power supplies are optimized for low noise.

The devices in the series MVxx are also equipped with a switchable gain of +0 dB, +20 dB and 40 dB, and overload display equipped.



Should the input signal be greater than 7 V<sub>rms</sub>, this is indicated by a red LED.

All devices can be powered by an external 12V power supply. Battery operation optional.

## Types MSxx

Item	MS10	MS20	MS30	MS40
				
Number of Inputs / Outputs	1	2	3	4
Gain	-	-	-	-
Filter	Optional	Optional	Optional	Optional
Dimensions of cabinet	105 x 45 x 85 mm	105 x 65 x 85 mm	105 x 65 x 85 mm	105 x 65 x 85 mm

## Types MVxx

Item	MV10	MV20	MV30	MV40
				
Number of Inputs / Outputs	1	2	3	4
Gain	0 dB, +20 dB, +40 dB	0 dB, +20 dB, +40 dB	0 dB, +20 dB, +40 dB	0 dB, +20 dB, +40 dB
Filter	Optional	Optional	Optional	Optional
Dimensions of cabinet	105 x 45 x 85 mm	105 x 65 x 85 mm	105 x 65 x 85 mm	155 x 75 x 150 mm

## Technical Data

### Preamplifier inputs

Number: ..... up to 8 Channels  
Connectors: ..... 7 pol. LEMO\*

### Outputs

Number: ..... see Inputs  
Connector: ..... BNC\*

Voltage of Preamplifier: ..... +30 V or ±15 V  
Polarization voltage: ..... 0 V or 200 V switchable

### MSxx

Frequency range: ..... 20 Hz – 100 kHz (-3 dB)  
Gain: ..... 0 dB

### MVxx

Frequency range: ..... 20 Hz – 50 kHz (-3 dB)  
Gain: ..... 0 dB, +20 dB, +40 dB

Inherent noise at	0 dB	+20 dB	+40 dB
Linear:	< 30 µV	< 60 µV	< 250 µV
A-weighted:	< 15 µV	< 40 µV	< 60 µV

### LED Indication

„Batt“ ..... red / green, Battery-operated  
„Ext.“ ..... yellow, mains supply  
„Ovld.“ (MVxx only) ..... red, Overload at 7 V<sub>rms</sub>

### Power supply

#### Battery operation

Batteries: ..... 4 × 1.5 V  
Battery lifetime: ..... > 8 Std.  
Current consumption: ..... ≈100 mA

#### Mains supply / charging

AC Adaptor ..... 9 V... 18 V DC  
Extern Power Socket: ..... 2.1 mm coaxial  
power connector

### Operation conditions

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

### Mechanical Data up to 3 channels

Material of cabinet: ..... Aluminum  
Dimension (W × H × D): ..... 105 × 65 × 85 mm  
Weight: ..... ca. 600 g

### Accessories included

External AC Adaptor, 100-240 VAC / 12 VDC

### Optional Accessories

Measurement microphones e.g. MI19

\* Others possible

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