

MV 206

1/2" Microphone Preamplifier

for insert-voltage calibration

- 7-pin Lemo®
- Microphone power supply: Lemo®
- Capsule polarisation voltage: by power supply
- 0.8 Hz to 4.5 MHz
- Max output voltage: 33 V



The MV 206 is a microphone preamplifier for externally polarized microphone capsules that allows also the calibration of the open-circuit sensitivity using the insert-voltage method. The thread for the microphone capsule is isolated from the ground of the pre-amplifier housing to allow the injection of an electrical signal in series with the microphone capsule. The electrical signal can be inserted either via pin 1 of the LEMO® connector from a power supply with insert-voltage function like type MN 960 IVC or directly via the housing of the microphone capsule.

The insert-voltage calibration can be done in conjunction with a calibrated sound source like the sound-calibrator type KAL 4010 or the pistonphone type 5002 or with another equipment like type EMK 1 in conjunction with an electrostatic actuator. The thread for the microphone capsule complies with the international standard IEC 61094-4. The pre-amplifier has a low output impedance. This renders a good driver capability possible even for long cables. The microphone preamplifier is suitable for sound level meters of IEC Type 1 acc. IEC 61672.

Delivery

Microphone preamplifier,
in wooden case 262 mm x 150 mm x 43 mm

MV 206

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Product Overview



Options and Accessories

Adapter for 1/4" microphone capsules to 1/2" preamplifiers	A 67	302305
Adapter for 1" microphone capsules to 1/2" pre-amplifiers	A 63.1	302302
Measurement capacitor for 1/2" microphone capsules	K 65	302307
Dehumidifier adapter 1/2"	TA 202	302314
Angle adapter 1/2"	WA 20	302334
Microphone holder, turnable	MH 64	302332
Microphone holder	MH 21	302351
Extension cable, 7-pin LEMO®-plug 1B, length: 5 m	C 88.05	302203
Extension cable, 7-pin LEMO®-plug 1B, length: 10 m	C 88.1	302201
Extension cable, 7-pin LEMO®-plug 1B, length: 20 m	C 88.2	302202
Flatcable, 7-pin LEMO®-plug 1B, length: 0.5 m	C 88 F2	302207

Technical Specifications

Current consumption		≤2,3 mA
Power supply		28 V to 130 V
Frequency range, C = 18 pF	±0.5 dB	1.0 Hz to 1.0 MHz
	±3.0 dB	0.8 Hz to 4.5 MHz
Gain		0 dB ±0.05 dB
Input impedance		20 GOhm; 0.2 pF
Output impedance		≤80 Ohm
Output voltage		7 Vrms to 33 Vrms
Inherent noise, C = 20 pF	A-weighted linear	≤2.5 µVrms ≤10 µVrms
Polarization voltage		by power supply
Temperature range, operation		-10 °C to +50 °C
Temperature range, storage		-20 °C to +70 °C
Humidity limits		r.H. <90%, non condensing
Plug		7-pin LEMO® FGG 1 B 307 CNAD 62
Capsule thread		11.7 mm 60 UNS
Diameter		12.7 mm
Length		90 mm
Weight		165 g

Microtech Gefell GmbH · Georg-Neumann-Platz · 07926 Gefell · Germany

Phone +49 (0)36649 882-0 · Fax +49 (0)36649 882-11 · www.microtechgefell.de · info@microtechgefell.de