MICROTECH GEFELL

microphones & acoustic systems - founded 1928 by Georg Neumann

MV 212

1/2“
Microphone Preamplifier

for rugged environment



- IEPE (BNC)
- Microphone power supply: IEPE
- Capsule polarisation voltage: 200 V
- 1 Hz to 1 MHz
- Max output voltage: 6.5 V
- TEDS acc. IEEE 1451

The MV 212 is a microphone preamplifier for externally polarized microphone capsules. The thread for the microphone capsule complies with the international standard IEC 61094-4. The electrical connection is via a BNC cable to devices with IEPE supply. The microphone preamplifier internally generates the polarization voltage for the externally polarized microphone capsule.

The MV 212 is very insensitive to extreme temperature, humidity, dust and vibration and therefore designed for applications in rugged environments. An integrated power-on indicator permanently shows the correct function and ensures reliable measurements. The microphone preamplifier is suitable for sound level meters of IEC Type 1 acc. IEC 61672.

Delivery

Microphone preamplifier, stainless steel, in wooden case 137 mm x 83 mm x 43 mm	MV 212	311224

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
BNC cable, length: 2 m, IP 67	BNC.02 IP 67	302252
BNC cable, length: 5 m, IP 67	BNC.05 IP 67	302253
BNC cable, length: 10 m, IP 67	BNC.1 IP 67	302254
BNC cable, length: 20 m, IP 67	BNC.2 IP 67	302255

Technical Specifications

Current consumption		2 mA to 10 mA
Power supply		24 V DC to 30 V DC
Frequency range, C = 22 pF	±0.1 dB	20 Hz to 100 kHz
	±0.5 dB	1 Hz to 1 MHz
Gain, 1 kHz	C = 1 nF	-0.07 dB
	C = 22 pF	-0.60 dB
Input impedance		10 GOhm; 0.4 pF
Output impedance		≤100 Ohm
Output voltage	24 V IEPE supply	≥6.5 Vrms
Inherent noise, C = 20 pF	A-weighted	≤1.4 µVrms
	linear	≤3.8 µVrms
Polarization voltage		200 V
Temperature range, operation		-40 °C to +125 °C
Temperature range, storage		-40 °C to +80 °C
Humidity limits		r.H. <100%, non condensing
Microphone identify memory		TEDS acc. IEEE 1451.4
Power-on indicator		LED
Plug		BNC
Capsule thread		11.7 mm 60 UNS
Diameter		12.7 mm
Length		85 mm
Weight		38 g

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