MICROTECH GEFELL

MV 310

¼" microphone preamplifier

for prepolarized microphones

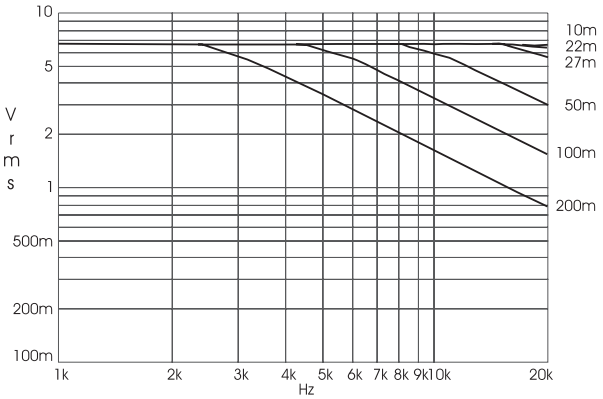


- IEPE (Microdot)
- microphone power supply: IEPE
- capsule polarization voltage
  none
- 1 Hz to 1 MHz
- max. output voltage: 8.2 V
- TEDS acc. IEEE 1451

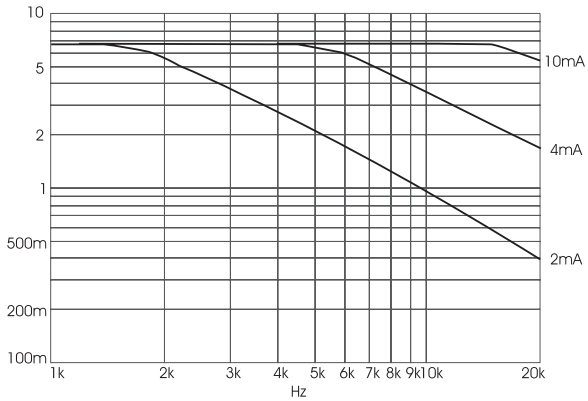
Delivery	**Typ**	**Order-No.**
Microphone preamplifier, stainless steel, in wooden case	MV 310	311221
Options and Accessories	**Typ**	**Order-No.**
Microphone holder ¼", with Clip	MH 64.2 ¼"	312353
Microphone holder ¼"	MH 37	302348
Adapter for ½" microphone to ¼" preamplifier	A 69.1	302308
Angle adapter for ½" microphone to ¼" preamplifier	WA 25	302339
Angle adapter for ¼" microphone to ¼" preamplifier	WA 30	302312
Measurement capacitor ¼"	K 67	302321
Adapter for Microdot to BNC	A 37.1	302346
Adapter for Microdot to SMB	A 37.2	302347
Cable Microdot 10-32 UNF, length: 2 m	C 36.02	302234
Cable Microdot 10-32 UNF, length: 5 m	C 36.05	302235
Cable Microdot 10-32 UNF, length: 10 m	C 36.1	302236
Cable Microdot 10-32 UNF, length: 20 m	C 36.2	302237
Cable Microdot to BNC, length: 2 m	C 38.02	302240
Cable Microdot to BNC, length: 5 m	C 38.05	302242

MV 310

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
Frequency range, C = 5.6 pF	±0.4 dB	20 Hz to 100 kHz
Gain, 1 kHz	C = 22 pF	-0.5 dB
	C = 5.6 pF	-2.0 dB
Input impedance		10 GΩ; <0.4 pF
Output impedance		≤100 Ω
Max. output voltage	C = 22 pF	7.0 V_{rms}
24 V IEPE supply	C = 5.6 pF	8.2 V_{rms}
Inherent noise, C = 22 pF	A-weighted	≤1.7 μV_{rms}
	linear	≤4.2 μV_{rms}
Inherent noise, C = 5.6 pF	A-weighted	≤3.8 μV_{rms}
	linear	≤11.0 μV_{rms}
Temperature range, operation		-10°C to +50°C
Temperature range, storage		-20°C to +70°C
Humidity limits	non condensing	r.H. ≤ 90 %
Connector		MALCO Microdot 10 - 32 UNF - 2A
Thread	for microphone	5.7 mm 60 UNS
Diameter		6.3 mm
Length		58 mm
Weight		6 g
Microphone identify memory	IEEE 1451.4	256-Bit 1-Wire™ EEPROM



MM 310 I = 3,7 mA; U_L = 24 V
Maximale Ausgangsspannung für verschiedene Kabellängen
Maximum output voltage for various cable length



MM 310 100 m Kabel; U_L = 24 V
Maximale Ausgangsspannung für verschiedene Speiseströme
Maximum output voltage for various currents

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