

## MV 310

¼" microphone preamplifier

for prepolarized microphones



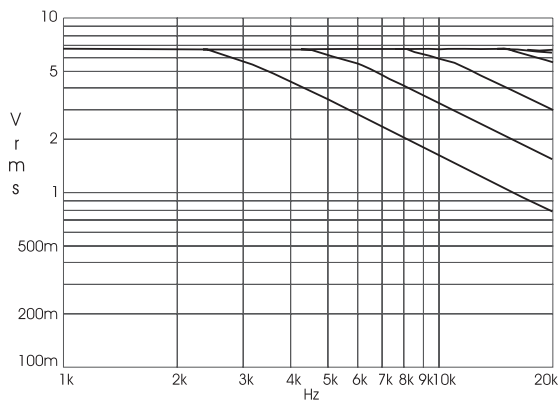
- IEPE (Microdot)
- microphone power supply: IEPE
- capsule polarization voltage  
none
- 1 Hz to 1 MHz
- max. output voltage: 8.2 V
- TEDS acc. IEEE 1451

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

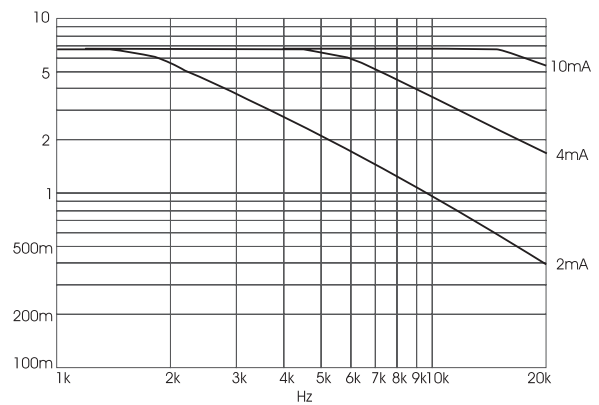
# MV 310



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 <sub>rms</sub>
24 V IEPE supply	C = 5.6 pF	8.2 V <sub>rms</sub>
Inherent noise, C = 22 pF	A-weighted	≤1.7 μV <sub>rms</sub>
	linear	≤4.2 μV <sub>rms</sub>
Inherent noise, C = 5.6 pF	A-weighted	≤3.8 μV <sub>rms</sub>
	linear	≤11.0 μV <sub>rms</sub>
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<sub>i</sub> = 24 V  
 Maximale Ausgangsspannung für verschiedene Kabellängen  
 Maximum output voltage for various cable length



MM 310 100 m Kabel; U<sub>i</sub> = 24 V  
 Maximale Ausgangsspannung für verschiedene Speiseströme  
 Maximum output voltage for various currents