

de

MM 210

1/2"

Measurement Microphone



- free-field
- 3.5 Hz to 20 kHz
- 15 dBA to 135 dB
- IEPE (BNC)
- Microphone power supply: IEPE
- TEDS acc IEEE 1451

Measurement Microphone MM 210

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technical data

Transducer type	Capacitive pressure transducer, acc. WS2F (DIN EN IEC 61094-4)
Sensitivity	50 mV/Pa
Sensitivity	-26 dB \pm 1,5 dB re 1V/Pa
Correction free-field at 1 kHz	0 dB
Random incidence at 1 kHz	0 dB
Principal axis	microphone axis
	3,5 Hz ... 20 kHz, class 1 DIN EN 60 651
Polarization voltage	0 V
Max. SPL for 3% THD at 1 kHz	135 dB
Max. SPL	130 dB
Output voltage	\leq 6,5 Veff
Output impedance	< 100 Ohm



MM 215



MM 220



MM 225



MM 203

Nom. load impedance	100 kOhm	
Current consumption	2 mA to 10 mA, nom. 4 mA	
Transducer excitation voltage	UL 24 V DC to 30 V DC	
Time for power up	1 min.	
Equivalent loudness level DIN EN 60651	15 dBA	
Influence of magnetic field 80 A/m, 50 Hz	< 22 dB	
Influence of vibration 1 m/s ²	60 dB (20 Hz bis 1 kHz)	
Operating temperature range $\pm 0,5$ dB	-25 °C to +100 °C	
Main ambient temperature coefficient	$\leq 0,01$ dB/K	
Main ambient pressure coefficient	1x10 ⁻⁵ dB/Pa	
Temperature limits	-50 °C to +100 °C	
Humidity limits	r.H. < 100%, absence of condensation	
Diameter	with protection grid	13,2 + 0,05 mm
	without protection grid	12,7 + 0,05 mm
Length	97 mm (incl. connector)	
Weight	45 g	
Preamplifier thread	11,7 mm 60 UNS	
Protection grid thread	12,7 mm 60 UNS	
Plug	BNC	
Microphone identification memory	256-Bit 1-Wire TM EEPROM (DS 2430 AP)	

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