



MM 215

The MM 215 ½" delivers the measurement microphone sweet spot in terms of sensitivity, frequency response, dynamic range and noise floor. Its exceptional performance, build quality and stability means it is currently being used in a wide variety of applications and environments, from laboratory to test cell, to end-of-line.

- Free field
- IEPE/CCP
- 50mV/Pa
- TEDS
- Wide choice of accessories, nose cones, outdoor kits and more
- MTG 4010 calibrator recommended
- The engineer's choice.

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 to 20 kHz
POLARIZATION VOLTAGE	0 V
MAX. SPL FOR 3% THD AT 1 KHZ	135 dB
MAX. SPL	130 dB
OUTPUT VOLTAGE	$\leq 6,5 V_{eff}$
OUTPUT IMPEDANCE	< 100 Ohm
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	1 \times 10 ⁻⁵ dB/Pa
TEMPERATURE LIMITS	-50 °C to +100 °C
HUMIDITY LIMITS	r.H. < 100%, absence of condensation
DIAMETER WITH PROTECTION GRID	13,2 \pm 0,05 mm
WITHOUT PROTECTION GRID	12,7 \pm 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™ EEPROM (DS 2430 AP)

ABOUT MICROTECH GEFELL

Microtech Gefell designs, manufactures and supplies microphones and acoustic systems. Founded by Georg Neumann in 1928, Microtech Gefell is more than just a microphone – it is over 90 years of engineering excellence that combines tradition with innovation. MTG products have earned a worldwide reputation amongst professional users as precise and reliable acoustic measurement tools for all industries, including environmental applications, automotive, aerospace and research and development.

AcSoft is proud to be MTG's distributor in the UK.

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