MICROTECH GEFELL
THE ENGINEER'S CHOICE

MMS 212

The MMS 212 1/2" measurement microphone set is designed for operating in extreme levels of temperature, humidity, dust and vibration. The ability to perform in the harshest of conditions is achieved by a skillful redesign of the protection grid, pressure compensation vent and connector.

Furthermore, quick and reliable measurements are facilitated by an integrated status LED confirms power-on, alerting the user to a sensor or cable failure.

- Ruggedised
- LED status light
- IP67 including water-proofed connection
- Unique IEPE/CCP powered, externally polarised capsule
- TEDS
- Microtech Gefell 4010 calibrator recommended

TRANSDUCER TYPE	Capacitive pressure, free field
FREQUENCY RANGE OF THE FREE FIELD RESPONSE	3.5 Hz to 20 kHz
SENSITIVITY	50 mV/Pa
SENSITIVITY RE 1 V/PA	-26 dB ±1.5 dB
MAX. SPL FOR 3% THD AT 1 KHZ	Peak 139 dB
RMS	136 dB
INHERENT NOISE	15 dBA
OUTPUT IMPEDANCE	<100 Ohm
CURRENT CONSUMPTION	2mA to 20mA
POWER SUPPLY VOLTAGE	24 V DC to 30 V DC
OPERATING TEMPERATURE RANGE	-40 °C to +125 °C
TEMPERATURE RANGE, STORAGE	-40 °C to +80 °C

TEMPERATURE COEFFICIENT AT 250 HZ	≥0.01 dB/K
STATIC PRESSURE COEFFICIENT AT 250 HZ	-0.00001 dB/Pa
HUMIDITY LIMITS	r.H. <100%, absence of condensation
DIAMETER	without protection grid 12.7 mm ± 0.05 mm with protection grid 13.2 mm ± 0.05 mm
LENGTH	97 mm
WEIGHT	45 g
PLUG	BNC
MICROPHONE IDENTIFICATION MEMORY	56-Bit 1-WireTM EEPROM
IP RATING	IP 67

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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