

TG MM1w

Measurement Microphone Head

Order # 712.043



FEATURES

- Diffuse field equalised frequency response
- Omnidirectional polar pattern
- Calibrated open circuit voltage
- Narrow tubular metal construction
- Supplied with individual frequency response curve (also available as download or as file on request)

APPLICATIONS

In combination with the TG 1000 handheld transmitter the TG MM1w interchangeable capsule is used for wireless measuring of sound reinforcement systems. In addition to level measurements it can be used for determining frequency responses by using appropriate analysers. The remote narrow tubular microphone capsule makes sure that the influence on the sound field can be neglected so that an increase in sound pressure is avoided with high frequencies.

OPTIONAL ACCESSORIES

WS 10 Wind shield, charcoal-grey Order # 403.008
TG 1000 Handheld transmitter for Region A,
470 - 789 MHz. Order # 711.039

TECHNICAL SPECIFICATIONS

Transducer type Condenser (back electret)
Operating principle Pressure
Frequency response 20 - 20,000 Hz
Polar pattern Omnidirectional,
diffuse field equalised

Open circuit voltage
at f = 1 kHz 15 mV/Pa (= -36.5 dBV) ± 1 dB*
Sound pressure level 120 dB*
S/N ratio rel. to 1 Pa. 56 dB*
A-weighted equivalent SPL 27 dB

Dimensions:
Head diameter 9 mm
Shaft diameter 36 mm
Length 94 mm
Weight 96 g

*measured with the capsule only, but without radio channel

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FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve (measuring tolerance ± 1.5 dB) correspond to a typical production sample for this microphone. Each microphone is supplied with a printout of an individually measured 0° frequency response curve. The measured data can be requested by sending the serial number of the microphone head to AudioSystems@beyerdynamic.de.

Frequency response curve ± 1.5 dB $0 \text{ dB} \triangleq 15 \text{ mV/Pa}$ TG MM1w

