



MP40 1/2" IEPE Measurement Microphone



The 1/2" IEPE measuring microphones of the MP 40 range provide:

- Constant current powered measuring microphone preamplifier PA-01 with electret condenser microphone capsule type MP40. The current powered 1/2" measuring microphone offers facilities for the use of a high-quality noise measurements.
- Typical applications like array arrangements and covered area measuring procedures, e.g. automotive acoustics, can be taken into account.
- This acoustic sensor can be connected to any IEPE input via BNC cable. The PA-01 preamplifier accepts in addition operating voltage supply from 18 to 30 Volt DC.

TECHNICAL DATA MP 40 CAPSULE + PA-01 Preamplifier

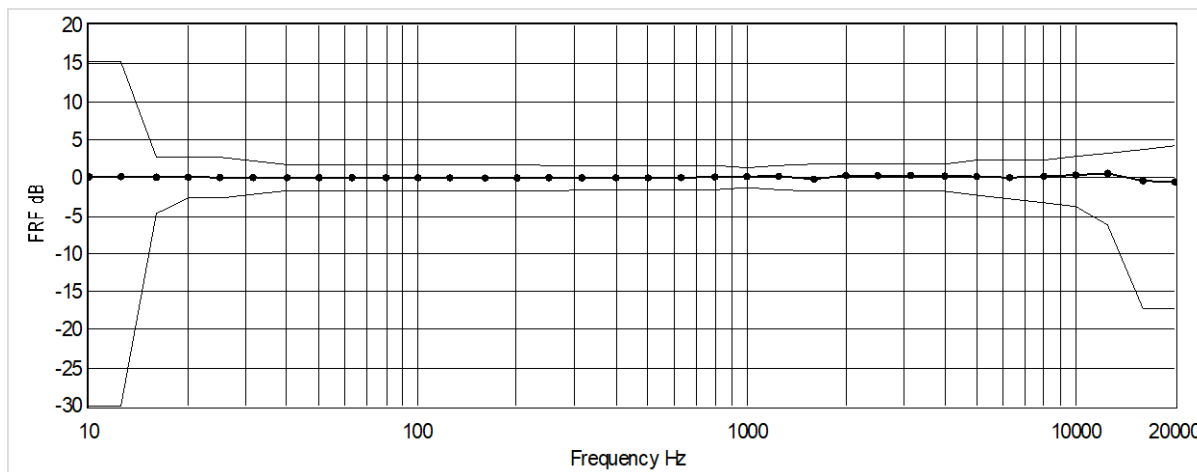
Frequency response WS2F (DIN IEC 61094-4)	3.5 Hz – 20 kHz
Ref. Sens. @ 250 Hz +/- 3dB	50 mV/Pa
Type	Free Field Pre Polarized
Dynamic Range	18 - 146 (-0.5 dB THD)
Connector	BNC
Microphone thread	11.7 mm x 60 UNS
Noise voltage	2 µVrms (A-weighted)
PA-01 Frequency response	5Hz-100kHz +0dB -0,5dB
Input impedance	> 5; 10hm
Output impedance	< 110 Ohm
IEPE current supply	2-10mA
IEPE voltage source	18 - 30VDC
Max output voltage	8Vpp

All informations including product design are subject to errors or changes. 3/2021

Certificate of Factory Calibration

½ "Free Field Measurement Microphone

Type : MP40
 Serial No. : 0095
 Sensitivity : 52.7 mV/Pa (@ 250 Hz | 24.5 °C | 96.7 kPa | 52% RH)



BSWA full frequency coupler	: CA916	S/N: 540002
Reference Microphone BSWA	: MP201	S/N: 520324
MTG Kalibrator	: 4010	S/N: 10072
ROGA Instruments	: Plug.n.DAQ Lite	S/N: 353
Software BSWA	: VA-Audio	Ver: 7.0
Measurement uncertainty	: 0.20 dB	

Calibrated by, 9/14/2022

R. Gawlik
 Romuald Gawlik
 CEO and Founder

