

MI-21

1/4" IEPE Microphone



The 1/4"-measuring microphones of the MI-21 range are very precise water proof IP55 rated pressure transducers.

The model MI-21 has integrated electronics and will be delivered with standard sensitivity of 50 mV/Pa at tolerances of within $\pm 1.5\%$. Special custom versions are also possible. IEPE power supply for the microphone with standard constant current source of 2 – 6 mA is required.

Normally the microphones are fitted with BNC-connectors (fem.) allowing standard BNC-BNC cables to be used.

The MI-21 series 1/4 inch microphones are very accurate pressure transmitters and are an improved version of the popular MI-17 measurement microphone.

TECHNICAL DATA (TYPE 1):

Frequency response (typical)	5 Hz – 4 kHz: ± 0.5 dB 4 kHz – 20 kHz: ± 1 dB
Temperature range	-10 – +50 °C
Sensitivity	≈ 50 mV/Pa
Noise	(Lin: 20 Hz – 20 kHz) ≈ 35 dB (SPL) („A“-weighted) ≈ 26 dB (SPL)
Max. peak SPL	≈ 130 dB (ref. 20 μ Pa)
Constant supply current	2 – 6 mA
Output impedance	50 Ω
Dimensions – total length	83 mm
Tube – diameter	6.8 mm
Connector	BNC (fem.) or TNC
Weight	19 gr.

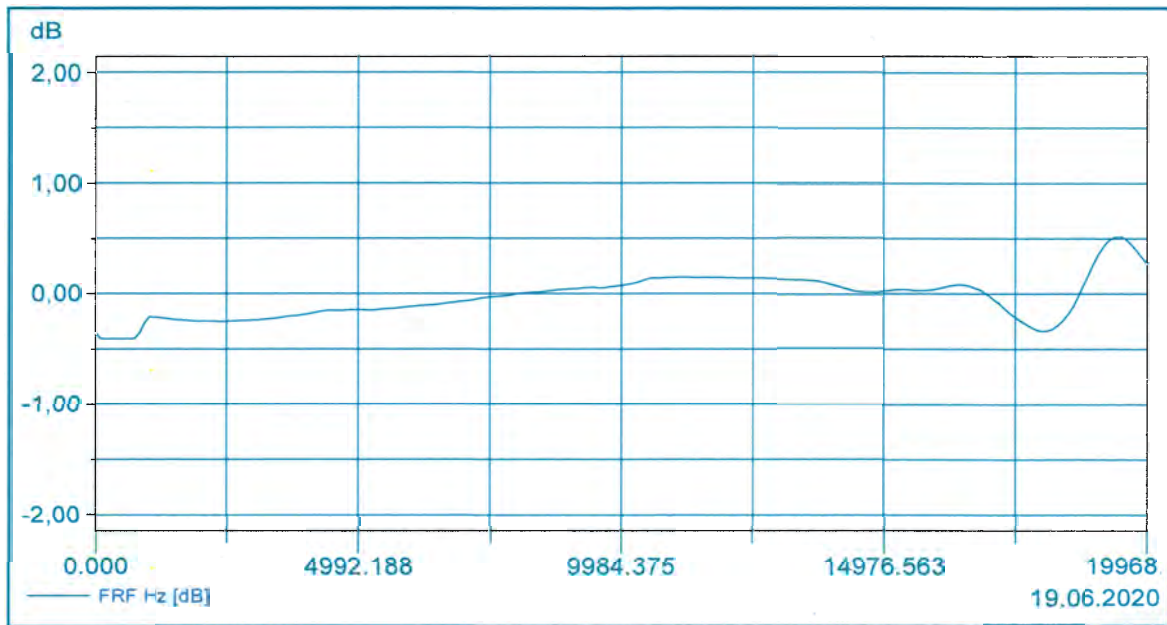
Certificate of Factory Calibration

1/4" IEPE Free Field Measurement Microphone

Type : MI-21 TNC

Serial No. : 167

Sensitivity : 50.0 mV/Pa (@ 1 kHz | 20 °C)



BSWA Full Frequency Coupler CA916 # 540002
Reference Microphone # MPA231
Svantek SV30A # 14126
ROGA Plug.n.DAQ # 531
Software : DASyLab Pro 2020

Calibrated by

Roga

