



## MP30 1/2" IEPE Microphone



### MP30 1/2" Condenser Microphone

The 1/2" IEPE measurement microphone is now available with optimized price/performance ratio, which meets the usual requirements in technical acoustics.

The Model MP30 is supplied as a complete unit consisting of a pre-polarized microphone capsule and microphone preamplifier with a sensitivity of 40 mV/Pa with a sensitivity tolerance of  $\pm 1$  dB.

The measuring microphone is connected to the usual current powered measuring channels such as \*ICP® and \*Delta Tron® via BNC cable.

Due to the equality of mechanical construction to conventional 1/2" measuring microphones the 1/2" measuring microphone capsule accessories, e.g., windscreen, nose cone, dehumidifier, etc. can be used.

The MP30 measuring microphone can be calibrated with the Pistonphone or other current sound pressure calibrators.

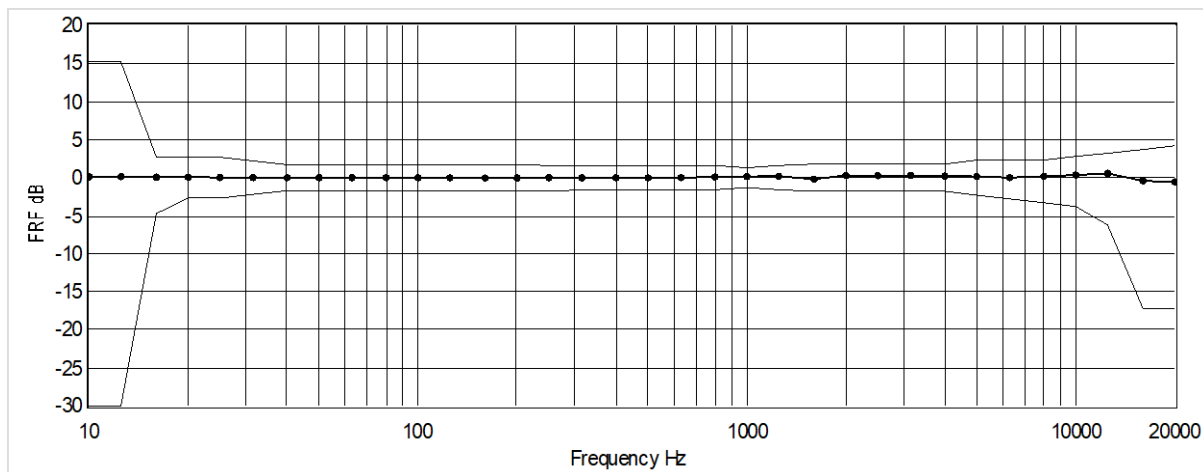
Technical Data Class 1		WS2F
Frequency response	10Hz – 4 kHz: $\pm 0.5$ dB 4 kHz – 20 kHz: $\pm 1.5$ dB	
Microphone Type		Free Field
Characteristic		Omnidirectional
Sensitivity		40 mV/Pa
Inherit noise		18 dB
Dynamic range (ref. 20 $\mu$ Pa)		18 ~140 dB (@ 250 Hz, THD <3%)
Constant supply current		2 – 20 mA
Connector		BNC (fem.)
Max. Output Voltage		5 V <sub>RMS</sub>
Operating Temperature		-20°C ~ +60°C
Tube diameter		$\Phi 12.7$ mm
Dimensions total length		82 mm
Venting		Rear
Humidity		25 % ~ 90 % (RH)
Atmospheric Pressure		65 kPa ~ 108 kPa
Weight		37 g

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# Certificate of Factory Calibration

## ½ "Free Field Measurement Microphone

Type : MP30  
 Serial No. : 0017  
 Sensitivity : 41.6 mV/Pa (@ 250 Hz | 25.6 °C | 98.1 kPa | 49% 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, 9/5/2022

*R. Gawlik*  
 Romuald Gawlik  
 CEO and Founder

