



IEPE MICROPHONE 10kHz

LUDRE YAZILIM

TECHNICAL SPECIFICATIONS

- Microphone Diameter : 1/2"
- Sensitivity: 20 mV/Pa (Nominal)
- Frequency ranges: 100 - 10 kHz
- Maximum Sound Pressure Level: 140 dB

DESCRIPTION

- With IEPE Microphones, the sounds in the environment are introduced and a harmonic wave is created by taking this as a reference, and then when a different sound is detected from the environment, it is indicated in this software. In addition, it is possible to perform quality control with these microphones in many different areas. For example, breaks, abrasions and other corrosions in moving mechanical parts are easily detected.

RANGE OF APPLICATION

- Acoustic quality control
- Machine fault detection
- Sound fault detection
- Leak detection
- Air leakage detection
- Sound measurement
- dB measurement
- Sound harmonic measurement
- Outlier sound measurement
- Sound rpm measurement

Device Name	Dimensions
IEPE Microphone 10kHz	Length: 124mm
	Diameter: 12,7mm





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4. BNC INPUT



5. IEPE MICROPHONE 10kHz

TECHNICAL SPECIFICATIONS

OS	: Windows
Software Compatibility	: LabVIEW
Feeder	: Power Supply

DIGITAL INPUT/OUTPUT

Microphone Diameter	: 1/2"
Sensitivity	: 20 mV/Pa (Nominal)
Frequency ranges	: 100 - 10 kHz
Maximum Sound Pressure Level	: 140 dB

PHYSICAL PROPERTIES

Length	: 124mm
Diameter	: 12,7mm
I/O Connector	: BNC



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6. IEPE MICROPHONE SETUP



We connect the input section with BNC cable between IEPE Microphone and IEPE Sensor Signal Conditioner. then we make the 24V dc connection for the system to work. From the output part of the conditioner, we connect it to a software/screen where we can see the harmonic sound waves with a BNC cable. and the IEPE Microphone is ready to use.