

MC3122 is a classical Plug-N-Play 2-channel USB data acquisition instrument with two ICCP input channels and two output source channel. It is developed to meet the laboratory requirement. With Software VA-Lab, MC3122 can be used in environmental noise, architectural noise, audio test, equipment diagnose and sound quality test. All BSWA 2-channel instruments consist of Sound Card and microphone conditioning unit, MC3122 USB is the high-end product, each channel has a gain of X0.1, X1, X10. It can be used in exact noise test to meet laboratory requirement.

FEATURES

- Two channel ICCP inputs with x0.1, x1 and x10 gains:** With the gain settings, the MC3122 can handle the noise from 18 dB to 170 dB (with microphone sensitivity at 1mV/Pa).
- Two channel signal generator outputs:** The output channels are capable to generate the signals, such as Sine, Multi-tones, Sweep, Stepped Sine, Pink, White noise.
- Stereo headphone output for listening:** Built-in headphone output for playback of recorded signals. It is useful for sound quality analysis and hearing comparisons.
- USB 2.0 interface with PC:** No driver software is required. The PC will connect the MC3122 automatically when it is plugged.
- Rechargeable Battery:** With Built-in battery, the MC3122 can be operated for 4 – 6 hours.
- IEC61672 Class 1 standard:** The hardware meets the Class 1 standard for the sound level meters.
- Solid Casing:** The casing of MC3122 is fabricated from the aluminum. It is very solid.
- Low cost:** The MC3122 is priced at USD 2450 with Basic VA-Lab 2 software for FFT and 1/n Octave analysis.



SPECIFICATIONS:

Input Channel	2
Input Channel Type	ICCP® (4 mA)
Input Connector	BNC
A/D Converter	16 bits
Max. Sampling Frequency	44.1kHz
Cross Talk	> 60 dB
Frequency Response (Ref: 250 Hz, + 0.5 dB/-1.0 dB)	20 Hz ~ 20 kHz
Total Harmonic Distortion	< 0.01%
Measurement Range (with MP201 and MA201 at 50mV/Pa sensitivity)	18 ~ 146 dBA x0.1: 58 ~ 146 dB; x1.0: 38 ~ 126 dB; x10: 18 ~ 106 dB
Max. Input Voltage	2 Vrms
Headphone output	Standard 1/4" stereo output for headphone
Output Channel	2
Output Frequency Range	20 Hz ~ 20 kHz Achievable Sine, Pink, White noise.
Max Output Voltage	1 Vrms
Power Requirement	build-in re-charge battery or external 220V AC (4 hours battery life)
Temperature	-10°C ~ +40°C
Humidity	0 ~ 98% RH
Size	300x2000x50mm
Weight	2.3 kg