



MC3322 Dual Channel Data Acquisition Analyzer

Features:

- Two power supply modes: 7V ~ 14V(500mA) an external power supply, USB powersupply(should be 500mA power supply capacity);
- Two input channels, with -20dB,0,20dB adjustable gain, the input signal overload indicator;
- Built-in 4mA/24V ICCP power supply(can be closed), it is suitable for the ICCP type of microphone and accelerometer;
- Input/output sampling rate is up to 96 KHz;
- No need to install the drivers, plug and play, supports for Windows, Mac OS , iOS , Android and other current operating system;
- Compact structure and strong aluminum frame, professional waterproof boxes;
- Recommends collocation VA-Lab2 software and VA-Audio2 software.



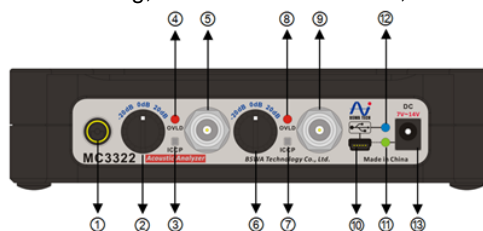
Application:

- Noise recording and playback
- Time domain analysis and frequency domain analysis of noise signal
- Sound level meter functions, test environment noise parameters such as sound pressure level
- Sound intensity testing(with sound intensity probe)
- The sound absorption coefficient of the acoustic material test
- The indoor reverberation noise test
- Sound insulation window sound insulation materials such as transmission loss test
- Microphone and speaker electro acoustic unit test
- Loudness and sound quality testing
- Sound power test of products

Introduction

The MC3322 is dual-channel data acquisition analyzer. It is researched and developed independently by BSWA. Between USB interface circuit and computer connection, is plug and play virtual instrument systems. The system has 90dB dynamic ranges and built-in 4mA/24V ICCP power supply and it is suitable for the ICCP type of microphone and accelerometer. Two analog input channels provide up to 96 KHz sampling rate and each channel exists three gains:-20dB,0,20dB, it is applicable for occasions with low requirements for environment noise.

The MC3322 not only can real-time analysis and process all kinds of acoustic signals, it can also be a sound system combined with the software. With the BSWA VA-Lab test software it can be used for general noise testing, architectural acoustics testing, acoustic measurement, fault diagnosis, the sound quality analysis and other fields.



- | | | |
|--|-----------------------|-----------------|
| ① Output Port:6.35mm TRS socket | ④ CH1 OVLD Light | ⑨ CH2 BNC Input |
| ② CH1 Gain Adjustment | ⑤ CH1 BNC Input | ⑩ MiniUSB Port |
| ③ CH1 ICCP Switch. <input type="checkbox"/> ICCP OFF. <input type="checkbox"/> ICCP ON | ⑥ CH2 Gain Adjustment | ⑪ Power Light |
| ⑦ CH2 ICCP Switch. <input type="checkbox"/> ICCP OFF. <input type="checkbox"/> ICCP ON | ⑧ CH2 OVLD Light | ⑬ Power Port |
| ⑫ USB Light: Light On: USB device is connected and identified by computer. Light Off: USB device has been disconnected | | |

**Specifications**

| | |
|---|--|
| Input Channel | 2 |
| Input Port | BNC,4mA/24V ICCP power supply (can be closed) |
| Self-Generated Noise Level | <16dB(A) (20dB gain, external power supply) |
| Input Frequency Response Range | 6.3Hz ~ 46kHz (± 0.5 dB) |
| Input Linear Range (external power supply,50mV/Pa) | 24dBA ~ 140dBA (According to the IEC61672) |
| Input Gain | -20dB,0dB,20dB |
| Maximum Input Voltage | 10Vrms (-20dB),1Vrms(0dB),0.1Vrms (20dB) |
| Overload Indicator | When the input voltage exceeds the maximum input voltage, the OVLD light shines |
| Output Channel | 2 |
| Output Port | 6.35 mm TRS socket |
| Output Frequency Response Range | 4 Hz ~ 31.5 kHz (± 0.5 dB) |
| Maximum Output Voltage | 1.85 Vrms |
| Maximum Output current | ± 20 mA |
| A/D Converter Digit | 16/24-bit (input/output can only have one set to 24-bit) |
| Sampling Rate | 8/16/32/44.1/48/ 96kHz |
| USB Interface | USB 2.0 at full speed, support USB Audio Class 1.0 |
| Supply Mode | 7V~ 14V (500mA) an external power supply USB power supply (should be 500mA power supply capacity) |
| Operating Environment | - 10°C ~ 50°C, humidity 20% ~ 90% RH |
| Size(mm) | W170xH43xD125 |
| Weight | About 640g (host only) |

BSWA Technology Co., Ltd.

Room 1003, North Ring Center, No.18 Yumin Road,
Xicheng District, Beijing 100029, China
Tel: 86-10-5128 5118
Fax: 86-10-8225 1626
E-mail: bswa@bswa.com.cn
URL: www.bswa.com.cn