







Data Acquisition Hardware

MC3622 / MC3022 / MC3122 / MC3242 / MC3642/ MC3640

The data acquisition hardware produced by BSWA is suitable for collecting data for noise and vibration measurement. The input channels supply ICCP power current. It is very convenient to be used with all kinds of ICCP type microphones or other sensors. Most BSWA data acquisition hardware has output channels, and can be used for audio and impedance measurements.

Model	MC3622	MC3022	MC3122	MC3242	MC3642	MC3640
Photos						
Input Channels	2	2	2	4	4	4
Max. Input Voltage (Vrms)	2	2	20	3.6	3.6	3.6
ICCP Power Supply (mA)	4	4	4	4	4	4
Output Channels	1, with 38W power amplifier	1	2	2	2	0
Max. Output Voltage (Vrms)	1.0	1.0	1.0	1.0	1.0	1.0
Standards (IEC 61672)	Type II	Type II	Type II	Type I	Type I	Type I
Input Connector	BNC	BNC	BNC	BNC	BNC	BNC
A/D Converter (bit)	16	16	16	24	24	24
Max. Sampling Frequency (Hz)	44.1k	44.1k	44.1k	51.2k	51.2k	51.2k
Gains	--	--	× 0.1, × 1, × 10	--	× 1, × 10, × 100	× 1, × 10, × 100
Internal Noise (dBA)	35	35	18	30	18	18
Frequency Response (Hz) (Ref: 250 Hz, +0.5 dB/-1.0 dB)	20 ~ 20k	20 ~ 20k	20 ~ 20k	20 ~ 20k	20 ~ 20k	20 ~ 20k
Measurement Range (dBA) (MP201)	35 ~ 125	35 ~ 125	18 ~ 146	30 ~ 130	18 ~ 130	18 ~ 130
Connector to the Computer	USB	USB	USB	USB	USB	USB
Power Requirement	USB (220 V or 110 V when power amplifier works)	USB	Internal rechargeable battery /220 V with power adaptor	USB	220 V (with power adaptor)	USB
Size (mm) (Length×Width×Height)	280 × 230 × 90	160 × 120 × 45	280 × 230 × 90	240 × 190 × 50	280 × 230 × 90	280 × 230 × 90
Weight (g)	4000	610	3500	1350	3600	3600

