IEC 61672, type 2

SOUND LEVEL METER

Model: SL-4011 *ISO-9001, CE, IEC1010*







The Art of Measurement

DIGITAL SOUND LEVEL METER

Model: SL-4011

FEATURES	
* Large LCD display, easy to read.	* Max. Hold function for stored the maximum value on display.
equency weighting networks are designed to meet the * Warning indicator for over and under load.	
IEC 61672 type 2.	* LCD display for low power consumption & clear read-out even
* A & C weighting networks are conformity to standards.	in bright ambient light condition.
* Time weighting(FAST & SLOW) dynamic characteristic modes.	* Used the durable, long-lasting components, including a strong,
* AC/DC output for system expansion.	light weight ABS-plastic housing case.
* Build in adj. VR is available for easy calibration.	* Small and light weight design allow one hand operation.
* Condenser microphone for high accuracy & long-term stability.	* Low battery indicator.

Display 18mm (0.7") LCD (Liquid Crystal Display), 3.1/2 digits. Function dB (A & C frequency weighting), Time weighting(Fast, Slow), Max. hold, AC & DC output. Measurement Range Resolution 0.1 dB. Accuracy Frequency weighting meet IEC 61672 type 2, calibrating input signal on 94 dB(31.5 Hz to 8 kHz), then the accuracy of A weighting is specified as following: 31.5 Hz − ± 3 dB, 63 Hz − ± 2 dB, 125 Hz − ± 1.5 dB 250 Hz − ± 1.5 dB, 500 Hz − ± 1.5 dB, 8 kHz − ± 1.5 dB 2 kHz − ± 2 dB, 4 kHz − ± 3 dB, 8 kHz − ± 5 dB Characteristics of A & C. Frequency Weighting Network C weighting - The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting. C weighting - The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment. Frequency 31.5 Hz to 8,000 Hz. Calibrator B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226. Microphone Size of microphone Size of microphone 1/2 inch standard size. Range selector 30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating. Time weighting Fast - t − 200 ms, Slow - t = 500 ms, Fast' range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration sound level. Calibration 2 build in external calibration VR, easy to calibrate by external screw driver. 1 Internal oscillation system, 1 KHz sine wave generator. Output Signal Ot 250 TC (32 °F to 122 °F). Operating Temp. 0 °C to 50 °C (32 °F to 122 °F). Operating Humidity Less than 80% RH Power Consumption Approx. DC 6mA. Bushersion 94 dB Sound Calibrator, Model : SC-941. 94 dB Sound Calibrator, Model : SC-941.		SPECIFICATIONS
Measurement Range 3 ranges, 30 to 130 dB, input signal only. Resolution 0.1 dB. Accuracy Frequency weighting meet IEC 61672 type 2, calibrating input signal on 94 dB(31.5 Hz to 8 kHz), then the accuracy of A weighting is specified as following: 31.5 Hz - ± 3 dB, 63 Hz - ± 2 dB, 125 Hz - ± 1.5 dB 250 Hz - ± 1.5 dB, 250 Hz - ± 1.5 dB, 1 kHz - ± 1.5 dB 2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 dB Characteristics of A & C. Frequency A weighting - The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting. C weighting - The characteristic is near the "FLAT" response. Typical, if is suitable for checking the noise of machinery (O.C. check) & knowing the sound pressure level of the tested equipment. Frequency 31.5 Hz to 8.000 Hz. Calibrator B & K (Bruel & Kjær), multi-fuction acoustic calibrator, model : 4226. Microphone Electric condenser microphone. Size of microphone 1/2 inch standard size. Range selector 30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating. Time weighting Fast + 2 200 ms, Slow + 1 = 500 ms	Display	18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits.
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31.5 Hz - ± 3 dB, 63 Hz - ± 2 dB, 125 Hz - ± 1.5 dB 250 Hz - ± 1.5 dB, 500 Hz - ± 1.5 dB, 1 kHz - ± 1.5 dB 2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 dB Characteristics of A & C. A weighting - The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting. C weighting - The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment. Frequency 31.5 Hz to 8,000 Hz. Calibrator B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226. Microphone Electric condenser microphone. Size of microphone 1/2 inch standard size. Range selector 30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating. Time weighting Fast - t= 200 ms, Slow - t = 500 ms, "Fast" range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration sound level. Calibration * Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator. Output Signal AC output - AC 0.5 Vrms corresponding to each range step. DC output impedance - 600 ohm. Out terminal 3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder. Operating Temp. O C to 50 C (32 °F to 122 °F). Operating Humidity Less than 80% RH Power Supply OO&P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight Standard Accessories Instruction Manual	Accuracy	Frequency weighting meet IEC 61672 type 2, calibrating input signal on 94 dB(31.5 Hz to 8
250 Hz - ± 1.5 dB, 500 Hz - ± 1.5 dB, 1 kHz - ± 1.5 dB 2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 dB Characteristics of A & C. A weighting - The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting. C weighting - The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment. Frequency 31.5 Hz to 8,000 Hz. Calibrator B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226. Microphone Electric condenser microphone. Size of microphone 1/2 inch standard size. Range selector 30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating. Time weighting Fast - t = 200 ms, Slow - t = 500 ms, (Fast & Slow) ""Fast" range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration sound level. Calibration B Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator. Output Signal AC output - AC 0.5 Vrms corresponding to each range step. DC output - DC 0.3 to 1.3 VDC, 10 mV per dB. Out put impedance - 600 ohm. Out terminal 3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder. Operating Temp. 0 ° to 50 ° (32 ° to 122 ° tr). Operating Humidity Less than 80% RH Power Supply 006P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6ma. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight Standard Accessories Optional Accessories	(23 ± 5 °C)	kHz), then the accuracy of A weighting is specified as following:
2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 dB		31.5 Hz - ± 3 dB, 63 Hz - ± 2 dB, 125 Hz - ± 1.5 dB
Characteristics of A & C. Frequency Weighting Network Weighting Network A weighting - The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting. C weighting - The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment. Frequency 31.5 Hz to 8,000 Hz. Calibrator B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226. Microphone Electric condenser microphone. Size of microphone 1/2 inch standard size. Range selector 30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating. Time weighting Fast - t = 200 ms, Slow - t = 500 ms, "Slow" range is easy to get the average values of vibration sound level. Calibration * Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator. Output Signal AC output - AC 0.5 Vrms corresponding to each range step. DC output - IDC 0.3 to 1.3 VDC, 10 mV per dB. Out put impedance - 600 ohm. Out terminal 3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder. Operating Temp. O °C to 50 °C (32 °F to 122 °F). Operating Temp. O °C to 50 °C (32 °F to 122 °F). Operating Humidity Less than 80% RH Power Supply OAPPON. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight Standard Accessories Optional Accessories Optional Accessories Optional Accessories Optional Accessories Optional Accessories Optional Accessories		250 Hz - ± 1.5 dB, 500 Hz - ± 1.5 dB, 1 kHz - ± 1.5 dB
Frequency Weighting Network Weighting Network Weighting Network Weighting Network C weighting - The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (O.C. check) & knowing the sound pressure level of the tested equipment. Frequency 31.5 Hz to 8,000 Hz. Calibrator B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model: 4226. Microphone Electric condenser microphone. Size of microphone 1/2 inch standard size. Range selector 30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating. Time weighting Fast - t = 200 ms, Slow - t = 500 ms, "Fast" range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration sound level. Calibration * Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator. Output Signal AC output - AC 0.5 Vrms corresponding to each range step. DC output impedance - 600 ohm. Out terminal 3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder. Operating Temp. O ° to 50° (32°F to 122°F). Operating Humidity Less than 80% RH Power Supply Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight Standard Accessories Instruction Manual Internal calibrator, Model: SC-941.		2 kHz - ± 2 dB, 4 kHz - ± 3 dB, 8 kHz - ± 5 dB
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Time weighting (Fast - t = 200 ms, Slow - t = 500 ms, * "Fast" range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration sound level. Calibration * Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator. Output Signal AC output - AC 0.5 Vrms corresponding to each range step. DC output - DC 0.3 to 1.3 VDC, 10 mV per dB. Out put impedance - 600 ohm. Out terminal 3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder. Operating Temp. O ° to 50 ° (32 ° F to 122 ° F). Operating Humidity Less than 80% RH Power Supply O06P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual Instruction Manual 1 PC. Optional Accessories 94 dB Sound Calibrator, Model : SC-941.	Range selector	30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step,
(Fast & Slow) * "Fast" range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration sound level. A Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator. Output Signal AC output - AC 0.5 Vrms corresponding to each range step. DC output - DC 0.3 to 1.3 VDC, 10 mV per dB. Out put impedance - 600 ohm. Out terminal 3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder. Operating Temp. O C to 50 C (32 F to 122 F). Operating Humidity Less than 80% RH Power Supply O06P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual 1 PC. Optional Accessories		with over & under range indicating.
"Slow" range is easy to get the average values of vibration sound level. * Build in external calibration VR, easy to calibrate by external screw driver. * Internal oscillation system, 1 KHz sine wave generator. Output Signal AC output - AC 0.5 Vrms corresponding to each range step. DC output - DC 0.3 to 1.3 VDC, 10 mV per dB. Out put impedance - 600 ohm. Out terminal 3.5 phone output terminal is provided for connection with analyzer, level recorder, tape recorder. Operating Temp. O ° C to 50 ° C (32 ° F to 122 ° F). Operating Humidity Less than 80% RH Power Supply O06P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual	Time weighting	Fast - $t = 200 \text{ ms}$, Slow - $t = 500 \text{ ms}$,
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recorder. Operating Temp. O °C to 50 °C (32 °F to 122 °F). Operating Humidity Less than 80% RH Power Supply O06P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual 1 PC. 94 dB Sound Calibrator, Model : SC-941.		Out put impedance - 600 ohm.
Operating Temp. 0 ℃ to 50 ℃ (32 ℉ to 122 ℉). Operating Humidity Less than 80% RH Power Supply 006P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual	Out terminal	3.5 phone output terminal is provided for connection with analyzer, level recorder, tape
Operating Humidity Less than 80% RH Power Supply 006P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual		recorder.
Power Supply 006P DC 9V battery(heavy duty type). Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual 1 PC. Optional Accessories 94 dB Sound Calibrator, Model : SC-941.	Operating Temp.	0 ℃ to 50 ℃ (32 °F to 122 °F).
Power Consumption Approx. DC 6mA. Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual	Operating Humidity	Less than 80% RH
Dimension 255 x 70 x 28 mm (10.0x2.8x1.1 inch). Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual	Power Supply	006P DC 9V battery(heavy duty type).
Weight 280 g/0.62 LB (including battery). Standard Accessories Instruction Manual	Power Consumption	Approx. DC 6mA.
Standard Accessories Instruction Manual	Dimension	255 x 70 x 28 mm (10.0x2.8x1.1 inch).
Optional Accessories 94 dB Sound Calibrator, Model : SC-941.	Weight	280 g/0.62 LB (including battery).
· ·	Standard Accessories	Instruction Manual
04 dP/114 dP Sound Calibrator, Model - SC 042	Optional Accessories	94 dB Sound Calibrator, Model : SC-941.
74 UD/ 114 UD SUUHU CAHDI AUN , IVIUUEH : SC-742.		94 dB/114 dB Sound Calibrator, Model : SC-942.
Hard carrying case, Model: CA-06. * Appearance and specifications listed in this prochure are subject to change without notice. 0703-SL4011		

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