



SOUND LEVEL METER

SOUND LEVEL METER BJU-4301

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The sound level meter is a handheld instrument, and its performance complies with the requirements for Class 2, Type X sound level meters specified in the national standard GB/T 3785-2010 and the international standard IEC 61672:2013 "Sound Level Meters". It is suitable for on-site measurement of noise from mechanical and electrical products, environmental noise, traffic noise, noise in workplaces, etc., and can also be used for teaching demonstrations in colleges and universities.



SPECIFICATIONS

Model	BJU-4301
Performance Level	Grade 2 according to GB/T3785 and IEC61672
Measured and Evaluated Quantities	Lp (Time-weighted Sound Level) or Lmax (Maximum Time-weighted Sound Level), Lmin (Minimum Time-weighted Sound Level), LCpeak (C-weighted Peak Sound Level)
Microphone	Grade 2 engineering measurement microphone, nominal diameter 12.7 mm, free-field type frequency response. Nominal sound pressure sensitivity is 50 mV/Pa (Nominal sound pressure sensitivity level is -26 dB, reference value is 1 V)
Frequency Range	20 Hz - 12.5 kHz
Frequency Weighting	A-weighting, C-weighting
Time Weighting	F (Fast response), S (Slow response)
Measurement Range	A sound level: 30 dB - 130 dB; C sound level: 40 dB - 130 dB
Threshold Setting Range	30 dB - 130 dB. When the sound level exceeds the threshold, an over-threshold mark is given, and a high level is output.
Automatic Calibration Range	±4.5 dB (Reference value is 50 mV/Pa)
Display	128x64 dot-matrix liquid crystal display (LCD), resolution 0.1 dB. There are marks for overload, out-of-range, low battery voltage warning, over-threshold alarm, etc.
Analog Output	• Output jack is a 3.5 mm dual-channel headphone jack, minimum load impedance 10 kΩ. • DC logarithmic voltage: The output voltage is related to the logarithm of the measured sound pressure, and the output voltage per unit sound pressure is 15 mV/dB. • AC linear voltage: The output voltage is linearly related to the measured sound pressure, and the output voltage corresponding to the upper boundary of the level range is 2.0 V.
Power Supply	2 LR6 (No. 5) batteries. It can work continuously for 27 h under reference environmental conditions.
Operating Temperature Range	0°C - 40°C
Net Weight	0.21kg
Gross Weight	0.85kg
External Size (WxDxH)	210x68x31mm
Shipping Size(WxDxH)	250x220x70mm
Alt Name	Sound Level Meter



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com