

Sound Level Meter



Features:

- Large LCD Display, easy to read
- Characteristic of "A" frequency weighting network are designer to meet IEC 651 type 2
- "Fast" time weighting characteristic mode
- Build in adj. VR is available for easy calibration
- Condenser microphone for high accuracy & long-term stability
- Hold function to freeze the display value
- Warning indicator for over and under range
- LCD display for low power consumption & clear read-out even in bright ambient light condition
- Durable, long-lasting componenets, including a strong, light weight ABS plastic case
- Small and light weight design allow one hand operation
- Low battery indicator
- High quality with economical cost

Specifications:

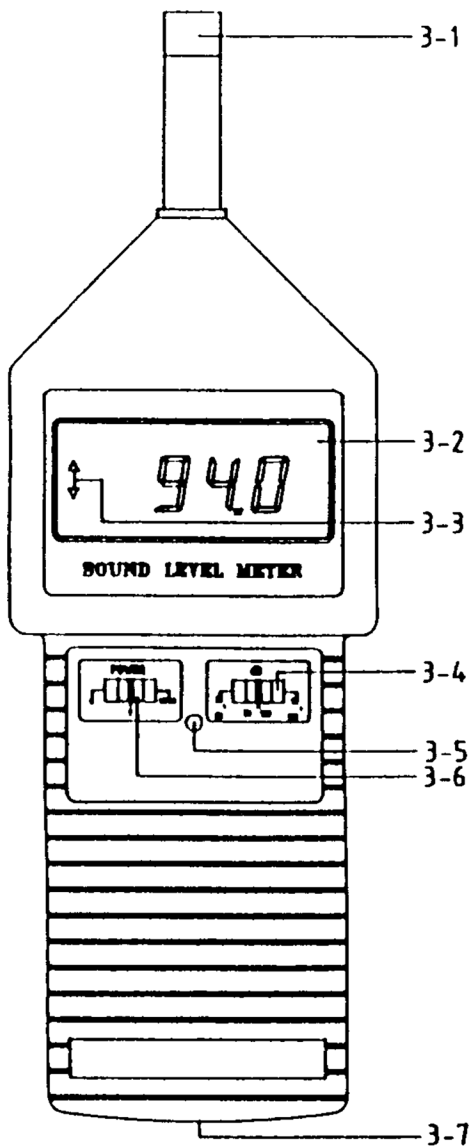
Display	: 18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digit
Measurement Range	: 35 to 130dB, 3 ranges: range 1 - 35 to 80dB, range 2 - 50to 100dB, range 3 - 80 to 130dB, *Each range with warning indicator for over & under load
Resolution	: 0.1dB
Measurement Frequency	: 31.5Hz to 8,000Hz
Frequency Weighting	: Characteristics of "A" frequency weighting network. *The "A weighting" characteristic is simulated as "Human Ear Listing" response
Time Weighting	: Default to "Fast" time weighting characteristics. * "Fast time weighting" is simulated the human ear response character
Accuracy (23 ±5°C)	: Characteristics of "A" frequency weighting network meet IAEC651 type 2. Under 94dB input signal, the accuracy are: 31.5Hz - ±3dB, 63Hz - ±2dB, 125Hz - ±1.5dB, 250Hz - ±1.5dB, 500Hz - ±1.5dB, 1KHz - ±1.5dB, 2KHz - ±2dB, 4KHz - ±3dB, 8KHz - ±5dB Remark: The above spec.are tested under the environment RF field strength less than 3 V/M & frequency less than 30MHz only.
Calibrator	: B&K (Bruel & kjaer), multi-function acoustic calibrator, model : 4226
Microphone	: Electric condenser microphone
Size of microphone	: 1/2 inch standard size



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Calibration VR	: Build in external calibration VR, easy to calibrate on 94dB level by screw driver
Data Hold	: Hold function to freeze the display value
Operating Temp.	: 0°C to 50°C (32°F to 122°F)
Operating Humidity	: Less than 80% RH
Power Supply	: Alkaline or Heavy duty type, 9V DC 066P, MN1604(PP3) or equivalent
Power Consumption	: Approx. DC 6mA
Dimension	: 225mm × 70mm × 28mm (8.9" × 2.8" × 1.1")
Weight	: 250g/0.55LB (including battery)
Standard Accessories	: Instruction Manual.....1 PC



- 3-1 Electric condenser microphone
- 3-2 Display
- 3-3 Range upper/lower indicator
- 3-4 Range switch
- 3-5 External Calibration VR
- 3-6 Power On/OFF/Hold switch
- "1" = Power ON "0" = Power OFF
- 3-7 Battery compartment/Cover



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Frequency Weighting Characteristics of "A" Networks

Frequency Hz	A Weighting Character	Tolerance (IEC 651 type 2)
31.5	-39.4dB	±3dB
63	-26.2dB	±2dB
125	-16.1dB	±1.5dB
250	-8.6dB	±1.5dB
500	-3.2dB	±1.5dB
1K	0dB	±1.5dB
2K	+1.2dB	±2dB
4K	+1dB	±3dB
8K	-1.1dB	±5dB

Part Number Table

Description	Part Number
Sound Level Meter	72-6635

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