

1565-E Series

The 1565-E a general purpose sound-level meter, ideal for measurements required by OSHA and for general noise surveys. This popular meter weighs less than 1 pound, features simple push-button operation, battery power, and 1/2" electret condenser microphone.

The 1565-E is delivered with carrying case, adjustment screwdriver, wind-screen and 9 V alkaline battery.

Features:

- 35 to 130 dB in 2 ranges Lo and Hi
- ANSI S1.4-1983 Type 2
- A and C weighting
- Fast/slow meter response
- Easy to use
- Battery operated



Model 1565-E Sound-Level Meter

SPECIFICATIONS

Sound level range: 35 to 130 dB re 20 $\mu\text{N/m}^2$

Sound level accuracy: ± 1.5 dB

Frequency range: 31.5 Hz to 8 kHz

Weighting: A and C

Output: 3.5 mm mini-jack

ac Output: >0.65 Vrms behind 600 Ω at full scale; will drive oscilloscope or low-impedance headphones

dc Output: 10 mV/dB

Display: 3-1/2 digit LCD display, full scale sound-level range set by Range select switch, greater than 10 dB portion of scale for sound-level comparisons on 2 ranges, and low end of sound-level range set by range select switch.

Power: One 9V alkaline batteries supplied, provides 50+ hours of operation

Environmental:

Temperature: 0 to 50°C operating

-40 to +60°C storage, with batteries removed

Humidity: <95% RH non-condensing

Weight: 0.21 kg (7 oz) net, 1.4 kg (3 lb) shipping

Dimensions: 24 cm H x 6.8 cm W x 2.5 cm D (9.45" x 2" x 1")

Accessories supplied: Instruction manual, windscreen, adjustment screwdriver and carrying case

Additional Specifications

Standard: Conforms to ANSI S1.4-1983 Type 2 and IEC61672-1:2013 Class 2

Dynamic range: 55 dB with 2 ranges Lo and Hi

Ranges: Lo: 35 - 90 dB and Hi: 75 - 130 dB

Time weighting: rms response with fast 125 ms and slow 1 s

Microphone: 1/2" electret condenser microphone

Resolution: 0.1 dB

Calibration: Internal oscillator at 1 kHz and 94 dB

Recommended calibration interval: 12 months

ORDERING INFORMATION

1565-E 1565-E Sound-Level Meter

1565-9601 Carrying Case for SLM and accessories (standard with 1565-E)



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