

Sound Level Meter, Class 2

GNV-101



Features:

- Meets IEC 61672-1 Class 2 requirements
- Records up to 64,000 data points
- Recorded data exportable to EXCEL via a USB interface
- Fast and slow time weighting
- 60 dB dynamic range
- A and C frequency weighting
- AC and DC outputs available from standard 3.5 mm coaxial socket for use with a frequency analyzer, level recorder, FFT analyzer, etc..
- Min/max function
- Battery capacity indicator
- Analog bar graph and digital display
- Tripod mount for long term monitoring
- Manual and auto range functionality
- Includes windscreen, battery and hard carrying case

Applications:

- OSHA compliance
- Noise ordinance checks
- General purpose noise surveys
- Commercial construction
- R&D Labs
- Education

Description:

The Global Specialties GNV-101 Sound Level Meter is a portable sound level meter used to capture the dB level of one's surrounding environment. The meter meets the IEC Class 2 requirements, which makes it ideal for sound hazard measurements. The hand held design also comes with a tripod mount for the option of hands free use. Fast time sampling of one measurement every 125 ms combined with the wide dynamic range of 60 dB provides high detail output from the crisp LCD display.



Specifications:

| | |
|---------------------------------------|---|
| Safety Standard Applied | IEC 61672-1 Class 2 |
| Operating Limits and Functions | |
| Measuring Level Ranges | Low: 30 to 90 dB |
| | Med: 50 to 110 dB |
| | High: 70 to 130 dB |
| | Auto: 30 to 130 dB |
| Sample Rate | Fast 125 ms |
| | Slow 1000 ms |
| Accuracy | ± 1.4 dB @ 94 dB, 1 kHz |
| Dynamic Range | 60 dB |
| Frequency Range | 20 Hz to 8 kHz |
| Frequency Weighting | A / C |
| Microphone | 1/2 Inch electret condenser |
| Data Logging Capacity | 64,000 records |
| Displays | |
| Digital Display | 4 Digit display |
| | Resolution: 0.1 dB |
| | Display Update: 0.5 sec |
| Analog Display | 30 Segment bar graph |
| | Resolution: 2 dB |
| | Display Update: 100 ms |
| Alarm Functions | OVER and UNDER alarm functions indicating when sound level is outside the set range |
| Electrical Specifications | |
| AC Output | 1 Vrms at full scale |
| DC Output | 10 mV/dB |
| Power Supply | 4 AAA batteries: NEDA 24A, IEC LR03 |
| Battery Life | Approx. 24 hours |
| External Power Supply | 5 VDC (micro USB plug) |
| Environmental Specifications | |
| Operating Temperature | 0 to 40 °C (32 to 104 °F) |
| Operating Humidity | 10 to 90% Relative humidity |
| Storage Temperature | -10 to 60 °C (14 to 140 °F) |
| Storage Humidity | 10 to 75% Relative humidity |
| Altitude | Up to elev. of 2000 meters (~6,500 ft.) |
| Mechanical Specifications | |
| Dimensions | 264 x 63 x 29 mm (10.4 x 2.5 x 1.1") |
| Weight | Approx. 245g (8.6 oz) |
| Included Accessories | 4 AAA batteries, User manual, windscreen, carrying case, USB cable |

Contact:
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