TECPEL®

Digital Sound Level Meter 30 to 130dB
A/C ±1.4dB (IEC 61672-1 Class 2)

Key Features

Measurement Capabilities

- **Frequency weighting: A / C**

- **Time weighting: FAST / SLOW**

Performance

- **60 dB dynamic range in each setting**

- **Max / Min function for peak value detection**

Standards Compliance

- **Fully compliant with IEC 61672-1 Class 2 standard**

The DSL-330C is a handheld digital sound level meter with a convenient carrying case, compliant with IEC61672-1 Level 2 standards, featuring automatic range shifting and analog output functions, and suitable for measuring environmental noise, ultra-quiet products, product volume standardization, equipment operating sound, and use in hospitals and confinement centers.

Measurement Specifications

- Applicable Standard: IEC 61672-1, Class 2 (Economy type)
- Display: 4-digit LCD
- Sound Level Range:
    - Low: 30 ~ 80 dB
    - Mid: 50 ~ 100 dB
    - High: 80 ~ 130 dB
- Resolution: 0.1 dB
- Frequency Range: 31.5 Hz ~ 8 kHz
- Accuracy: ±1.4 dB (94 dB @ 1 kHz)
- Dynamic Range: 50 dB
- Frequency Weighting: A and C
- Time Weighting: FAST (125 ms), SLOW (1 sec)

Product Features

- Data Hold: MAX Hold, MIN Hold
- Overload Indication: "OVER" / "UNDER"
- Analog Signal Output: AC/DC signal (via headphone jack)

- AC Output Range: AC = 1 Vrms (Full Scale), output impedance ≈ 100 Ω
- DC Output Range: DC = 10 mV/dB, output impedance ≈ 1 kΩ
- Correction Method: Digital correction (panel button control)

Product Information

- Operating Environment: 0 ~ 40°C, 10 ~ 90% RH (non-condensing)
- Storage Environment: -10 ~ 40°C, ≤ 80% RH (non-condensing)
- Elevation Limit: ≤ 1,000 m
- Microphone: 1/2 inch electret condenser microphone
- Power Supply: DC 9V battery (IEC6F22, NEDA 1604)
- Dimensions: 258 (L) × 55 (W) × 25 (H) mm
- Weight: Approx. 185 g (with battery)
- Accessories: Instruction manual, 9V battery, carrying case, windscreen sponge ball