



Tenmars ST-109R Class 1 Integrating Sound Level Meter Datalogger



Product ID: TENST109RWH
Manufacture warranty: 12 months
Country of Origin: Taiwan

Description:

ST-109R Class 1 Sound Level Meter is designed to meet the requirements of IEC 61672-1:2002 (or the equivalent BS EN 61672-1:2003). ST-109R Sound Level Meters not only suitable for environmental noise measurements but can also be used for occupational noise measurements such as the UK Controls of Noise at Work Regulations, Singapore WSH Noise Regulations or the OSHA Occupational Noise standards. It measures Lyp, Lmax, Lmin, Leq, LAE, Lcpeak

Applications:

- Evaluation of environmental noise
- Measurements of noise at workplaces
- Design of cost-effective noise control plans
- Assessment of product noise

Features:

- Frequency range: 20Hz ~16KHz.
- Measurement range: 30dB~130dB.
- Dynamic range 60dB.
- A/C/Z frequency weighting.
- Fast, Slow, Impulse.
- DC & AC Output.
- Bar graph display.
- USB interface.
- Storage 37,000 records, auto-mating transfer to micro SD card.



Specifications:

- **Model: ST-109R**
- USB interface: Yes
- **Internal memory: 37,000 records**
- Micro SD card: Up to 32GB
- Bar graph display: Yes
- Display: 3 1/2 digit backlit LCD display with maximum reading of 1999
- Display refresh rate: 1 time per second
- **Standards**
 - **IEC 61672: 2002 Class 1**
 - **ANSI S1.4 Type 1**
 - **CNS NO.7129 Type 1**
 - **JJG-188-2002 Class 1**
- **Microphone**
 - 1/2" pre-polarized condenser microphone build in preamplifier: -26 +/-2dB (50mV/Pa),
 - Frequency range: 20Hz~16KHz,
- Measurement Items: Lxyp, Lxmax, Lxmin, Lxeq, LAE, Lcpeak
- Measurement Range: 30dB~130dB(A), 35dB~130dB(C), 40dB~130dB(Z)
- Range: 30~90 (L), 50~110 (M), 70~130 (H)
- Dynamic range: 60 dB
- Integrate time setup:
 - Randomly, 10s, 1m, 5m, 10m, 30m, 1h, 2h, 4h, 8h, 16h, 24h or set in a given range
- Maximum peak C sound level: measurement 70~133dB
- Time Weighting: Fast, Slow, Impulse, Peak

- Frequency Range: A / C / Z
- Frequency Weighting: 20Hz ~ 16KHz
- DC output: 2Vdc / 130dB
- Analog Output: 10mV / 1dB
- Battery life: 30 hours
- Power Requirement: 4 x 1.5V AA, LR6, Alkaline batteries
- AC Adapter: AC 100V~240V to DC 6~9V/0.5A
- Size: 285 (L) x 90(W) x 39(H) mm
- Weight: 500g (including Batteries); 1.35kgs (including package)

Comply with IEC-61672-1:2002 class 1

Applications:

Evaluation of environmental noise
Measurements of noise at workplaces
Assessment of product noise



Microphone build in preamplifier



Standards Accessories:

- Meter: Instrument body
- User's manual
- AC/DC Power Adapter
- Carry case
- 4 x 1.5 V AA batteries
- Setup CD-Disk
- Mini USB Cable (Mini B type)

