



SoundTEK ST-107S Class 2 Integrating Sound Level Meter Datalogger



Product ID: TENST107SWH
Manufacture warranty: 12 months
Country of Origin: Taiwan

Description:

The St-107 is high performance class 2 integrating sound level meter. It measures Lxyp, Lxeq, Lxmax, Lxmin, SEL, Lcpeak and RT60.

Applications:

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

Features:

- Fast, slow, Impulse response times.
- Wide frequency range: 20Hz ~ 8KHz.
- Wide measurement range: 30dB ~ 130dB
- Wide dynamic range: 100dB
- A/C/Z frequency weighting
- Storage up to 37,000 records.
- USB interface.
- AC and DC output.
- Bar graph display.





Specifications:

- Display: 3 1/2 LCD with backlight LCD display with maximum reading of 1999
- Display refresh rate: 1 time / per second
- Data stored: Up to 37,000 records
- Microphone: 1/2 pre-polarized condenser microphone
- Measurement Items: Lxyp, Lxeq, Lxmax, Lxmin, SEL, Lcpeak, RT60
- Measurement Range:
 - 30dB~130dB(A)
 - 35dB~130dB(C)
 - 40dB~130dB(Z)
- Integrate time setup: Randomly, 10s, 1m, 5m, 10m, 30m, 1h, 8h, 16h, 24h or set in a given range
- Maximum peak C sound level measurement: 70 ~ 133dB
- Time Weighting: Fast, Slow, Impulse
- Frequency Range: A/C/Z
- Frequency Weighting: 20Hz ~ 8KHz
- DC output: 2Vdc / 130dB
- AC Output: 2Vrms / 130dB
- Battery life: About 30 hours
- Power Requirement: LR6 1.5V x 4 Alkaline batteries
- External power: AC 100V~240V to DC 6~9V
- Size: 285 (L) x 90(W) x 39(H) mm
- Weight: 500g (including batteries); 1.35kgs (including package)

Microphone:

- 1/2 pre-polarized condenser microphone build in preamplifier: -32+/-3dB (250Hz 0dB=1V/Pa)
- Frequency range: 25Hz~12.5KHz
Heat noise: <28dB(A)



Standards Certification:

- IEC 61672-1: 2002 Class 2
- ANSI S1.4 Type 2
- CNS NO 7129 Type 2
- JJG-188-2002 Class 2





Package Includes:

- 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)

Package Dimension:

- 38 x 24 x 10 cm
- 1.3 Kg

