

Class 1 Integrating Sound Level Meter

ST-106

Comply with IEC-61672-1:2013 class 1

Easy to use

Competitive price

Dynamic range 110dB

Excellent quality

High performance it measures Lxyi, Lxyp, Lxeq, Lxmax, Lxmin, LAE, Lcpeak, Lzpeak functions simultaneously

Features

- ◆ Fast, Slow, Impulse response time
- ◆ Sampling time: 20.8μs (48KHz)
- ◆ Wide frequency range: 10Hz~16KHz
- ◆ Wide measurement range: 30dB~130dB
- ◆ Wide dynamic range: >110dB
- ◆ A/C/Z frequency weighting



Microphone build in preamplifier



Specifications

temperature 23°C ± 5°C, relative humidity < 80%

Model	ST-106
Display	LCD with yellow/green backlit (240x160 dots)
Display refresh rate	1 time/sec ; 10 time/sec, for barcode
Major applicable standards	IEC 61672-1:2013 class 1
Other standards	IEC60651:1979 TYPE 1 IEC60804:2000 TYPE 1
Microphone	½" pre-polarized condenser microphone build in preamplifier: 40mV/Pa, frequency range: 10Hz~16KHz, heat noise: <20dB (A)
Measurement items	Lxyi, Lxyp, Lxeq, Lxmax, Lxmin, LAE, Lcpeak, Lzpeak
Measurement range	30dB~130dB (A) / 35dB~130dB (C) / 40dB~130dB (Z)
Dynamic range	>110dB
Integrate time setup	Manual, 10s, 1m, 5m, 10m, 20m, 30m, 1h, 2h, 4h, 8h, 16h, 24h
Time weighting	Fast, Slow, Impulse, Peak
Frequency range	A/C/Z
Frequency weighting	10Hz~16KHz
Sampling frequency	20.8μs (48KHz) / 20ms (Lmax, Lmin)
AC output	AC 20mV/dB
Starting time	<10 seconds
Power	LR 6 1.5Vx4 Alkaline batteries
External power	AC 100~240V to DC 5V / 1A
Dimension	285x90x39mm (LxWxH)
weight	500g (including batteries); 2.5kgs (including package)