

ST-109R

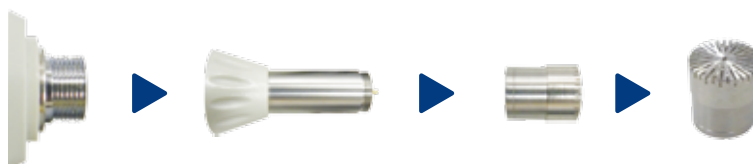
Comply with IEC-61672-1:2002 class 1

Applications:

Evaluation of environmental noise

Measurements of noise at workplaces

Assessment of product noise



Microphone build in preamplifier



Wide frequency
20Hz~16KHz



Micro SD

Specifications

USB interface	Yes
Data stored up	37,000 records
Micro SD card	Up to 32G
Bargraph display	Yes
Display	3 1/2 digit backlit LCD display with maximum reading of 1999
Display refresh rate	1 time / second
Applicable standards	IEC 61672-1:2002 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: 10Hz~20KHz, heat noise: <28dB (A)
Measurement items	Lxyp, Lxmax, Lxmin, Lxeq, LAE, Lcpeak
Measurement range	30dB~130dB (A) 35dB~130dB (C) 40dB~130dB (Z)
Range	30dB~90dB (L) 50dB~110dB (M) 70dB~130dB (H), manual
Dynamic range	60dB
Integrate time setup	Manual, 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
Frequency weighting	A/C/Z
Frequency range	20Hz~16KHz
DC output	10mV/1dB
AC output	1Vrms(±10%)/130dB each range
Battery life	30 hours
Power	LR6 1.5Vx4 Alkaline batteries
External power	AC 100V~240V to DC 6~9V/0.5A
Dimension	285x90x39mm (LxWxH)
Weight	550g (including batteries); 1.35kgs (including package)