

Class 1 Integrating Sound Level Meter

ST-109R

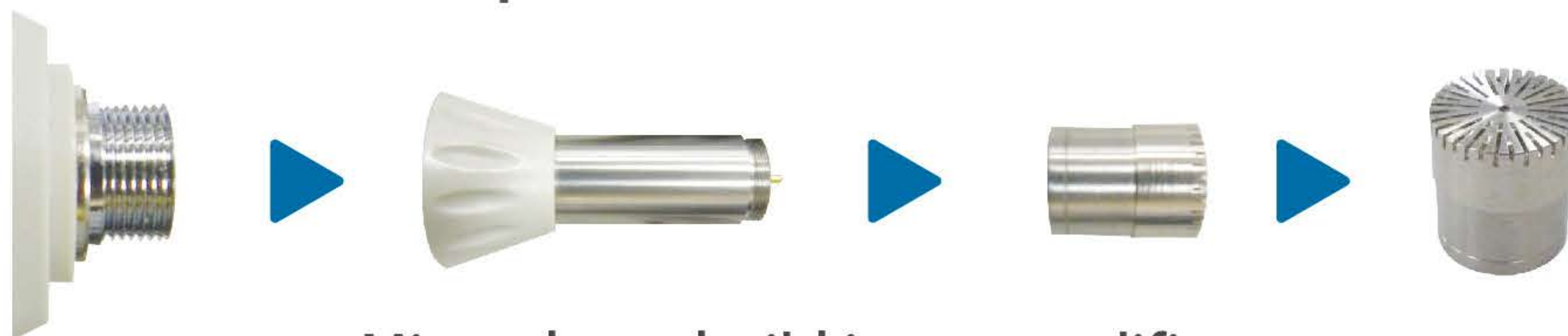
Comply with IEC-61672-1:2002 Class 1

Applications:

Evaluation of environmental noise

Measurements of noise at workplaces

Assessment of product noise



Microphone build in preamplifier

Specifications

USB interface	Yes
Data stored up	37,000 records
Micro SD card	Up to 32G
Bargraph display	Yes
Display	3½ digit backlit LCD display with maximum reading of 1999
Display refresh rate	1 time / second
Applicable standards	IEC 61672-1:2002 class 1 IEC60651:1979 TYPE 1 IEC60804:2000 TYPE 1
Microphone	High sensitivity, 1/2" pre-polarized capacitor microphone 50 mV/Pa
Measurement items	Lxyp, Lxmax, Lxmin, Lxeq, LAE, Lcpeak Note: x is A, C, Z, y is F, S, I
Measurement range	30dB~130dB (A) / 35dB~130dB (C) / 40dB~130dB (Z)
Measurement shift	30dB~90dB (L) / 50dB~110dB (M) / 70dB~130dB (H), manual
Dynamic range	60dB
Integrate time setup	Manual, 10s, 1m, 5m, 10m, 30m, 1h, 8h, 16h, 24h
Peak value measurement range	70~133dB
Time weighting	Fast, Slow, Impulse, Peak
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	500g (including batteries)



Wide frequency
10Hz~20KHz



Micro SD