

ST-105S

ST-105

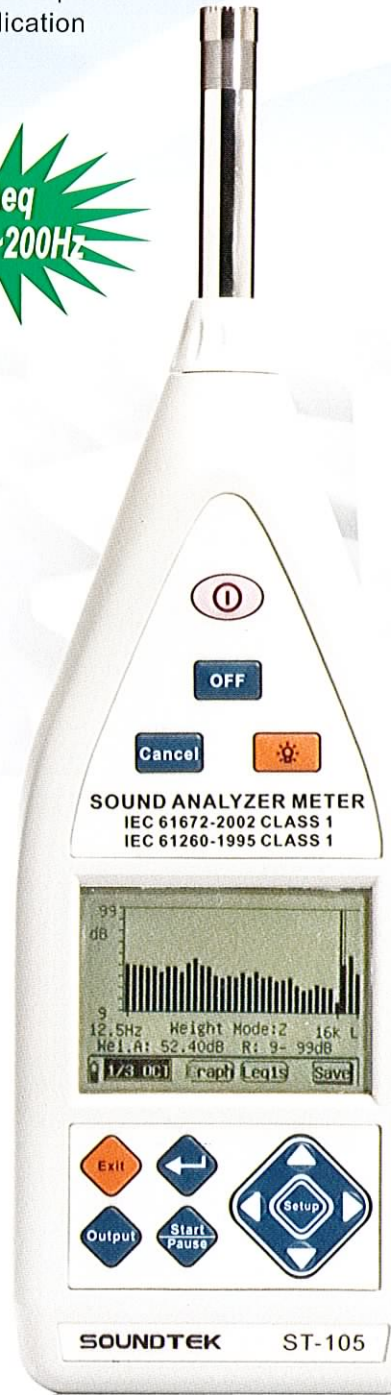
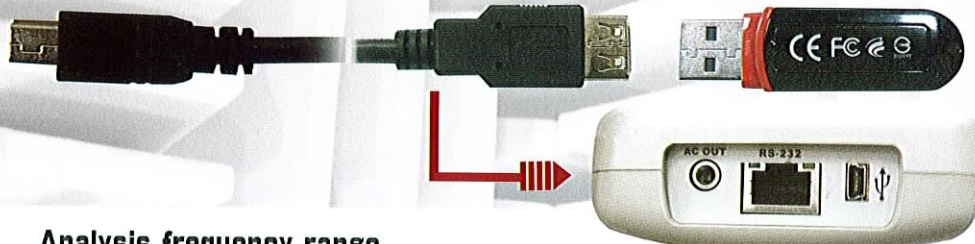
ST-105D

ST-105L

Class 1 Comply with IEC-61672-2002 Class 1 IEC-61260-1995 Class 1

Feature :

- Statistic analysis.
- 24HR measurement.
- Integral measurement.
- Real time analyzer in 1/1 and 1/3 octave band.
- It simultaneously measures A,C,Z and Fast, Slow, Impulse.
- Data Logging Function(ST-105D).
- Auto start / Auto measuring / Auto end.(ST-105D)
- USB and RS-232 Interface.
- Real time clock with calendar.
- Sampling frequency : 20.8 μ s(48KHz).
- Wide frequency range : 10Hz~20KHz.
- Wide measurement range : 25dB~140dB.
- Wide dynamic range : 90 dB.
- Fast, Slow, Impulse, PeakC+, PeakC-.
- Measurement function: Lxyp , LAFmax , LAF5 , LAF10 , LAF50 , LAF90 , LAF95 , LAFmin SD, LAeq1s, LAeqT, LAE, LAfeqT, LD, LN, LDN, Lxyi, Lxeq1s \ LxeqT \ LAE \ E \ Cpeak+ \ Cpeak- \ LAFmax \ LAFmin \ LAFeqT \ LASEqT \ LAleqT Lfmeq1s, LfmeqT, Lxyp, Lxyi, Lxeq1s, LxeqT, LAE, E, Cpeak
- A/C/Z frequency weighting.
- Optional printer : It can print analytical result in the mini-printer.
- 5 languages analysis application software.



Analysis frequency range

1/1 Octave (11 bands)	16Hz, 31.5Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 8KHz, 16KHz
1/3 Octave (34 bands)	10Hz(ST-105D), 12.5Hz, 16Hz, 20Hz, 25Hz, 31.5Hz, 40Hz, 50Hz, 63Hz, 80Hz, 100Hz, 125Hz, 160Hz, 200KHz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1KHz, 1.25KHz, 1.6KHz, 2KHz, 2.5kHz, 3.15kHz, 4KHz, 5KHz, 6.3KHz, 8KHz, 10KHz, 12.5KHz, 16KHz, 20KHz(ST-105D)

ST-105/ST-105D/ST-105L : Parameters and performance of octave and 1/3 octave

- Function : Noise's real-time octave and 1/3 octave spectral analysis and integrating measurement.
- Frequency weighting : parallel (simultaneous) A, C, Z.
The spectral analysis interface is composed by the frequency spectrum.
The total analysis interface is realized by digital filtering.
- Filter type : parallel (real-time) octave and 1/3 octave band filter, G=2, digital filter. The noise exposure (E)'s measuring range is 0-65.535 Pa2h.

Specifications:

Model	ST-105D	ST-105	ST-105S	ST-105L
Measurement Parameter	LXYP, LAFp, LAFmax, LAFmin, LAF5, LAF10, LAF50, LAF90, LAF95, SD, LAeq1s, LAeqT, LAE, LAfeqT, LD, LN, LDn. Lxyi, Lxeq1s, LxeqT, LAE, E, Cpeak+, Cpeak-, LAFmax			
	Lfmeq1s, LFmeqT, Lxyp, Lxyi, Lxeq1s, LxeqT, LAE, E, CPeak			Lfmeq1s, LFmeqT, Lxyp, Lxyi, Lxeq1s, LxeqT, LAE, E, CPeak
Use the site	Environmental noise measurement Machine's noise analyses any noise spectrum analyzer		Environmental noise measurement	Machine's noise analyses Noise spectrum analyzer
Display	LCD with Back Light(240X160 dots)			
Statistic Analyses	√	√	√	
24H Measurement	√	√	√	
Integrating	√	√	√	√
1/1 OCT	√	√		
1/3 OCT	√	√		√
128 records Storage		√	√	√
12288 records Storage	√			
Auto Storage setup	√			
Auto Start/Auto mease/	√			
IEC 61672-1-2002 CLASS 1 IEC 60651:1979 TYPE 1 IEC 60804: 2000 TYPE 1	√	√	√	√
IEC 61260-1995 CLASS 1	√	√		√
Display refresh	1 Hz for value ; 10Hz for graph			
Microphone	1/2" pre-polarized condenser microphone build in preamplifier, sensitivity : 50mV/Pa, frequency range : 10Hz~20kHz, heat noise : <16dB(A)			
Measurement Range	25dB~140dB (A) 30dB~140dB (C) 35dB~140dB (Z)			
Dynamic Range	>90dB			
Instrument Background Noise	<13dB(A), 15dB(C), 25dB(Z)			
Maximum Peak C Sound Level Measurement	50dB~143dB			
Time Weighting	Fast, Slow, Impulse, PeakC+, PeakC-			
Frequency Weighting	A/C/Z			
Integrating Time	1 second~24hour, set in a given range or randomly			
Frequency Range	10Hz~20KHz			
Range Gain	-10dB, 0dB, 10dB, 20dB, 30dB, 40dB			
Range Error	≤0.1dB			
Self-generated Noise Voltage	<4 μV(1Hz~23KHz)			
Measuring Voltage Range	15 μV ~ 10 Vrms			
Sampling Frequency	20.8 μs(48KHz)			
Analog output	AC			
Starting Time	< 10 Second			
Interface	USB interface, mini B type. Complying with USB 1.1, compatible with USB 2.0, which can transfer the measuring result to PC, and transfer the data to the Flash disk up to 8G			
Power Supply	LR6:4 Alkaline batteries (8 hours)			
AC Adapter	100V~240V			
Dimension	285(L) x 90(W) x 39(H)mm			
Weight	500g (including Batteries)			