



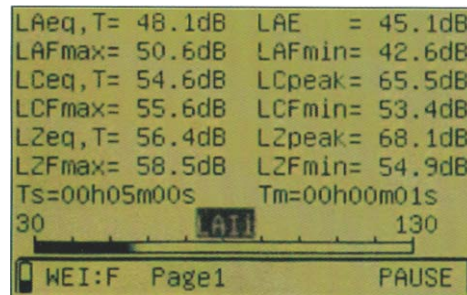
## Model ST-106

Comply with IEC-61672-2002 Class 1



### FEATURES :

- \* The ST-106 is high performance Class 1 integrating Sound Level Meter. It measures Lxyi, Lxyp, Lxeq, Lxmax, Lxmin, LAE, Lcpeak, Lzpeak functions simultaneously.
- \* Fast, Slow, Impulse response time.
- \* Sampling Frequency : 20.8 s (48KHz).
- \* Wide Frequency Range : 10Hz ~ 16KHz.
- \* Wide Measurement Range : 30dB ~ 130dB.
- \* Wide dynamic Range : 110dB.
- \* A / C / Z frequency weighting.



### GENERAL SPECIFICATIONS :

<b>Display</b>	LCD with Green Yellow Backlight (240 x 160 dots) Real Time Clock, Year, Month, Minute.
<b>Display Refresh Rate</b>	1 Hz for value ; 10Hz for graph
<b>Major Applicable Standards</b>	IEC 61672-1 : 2002 Class 1
<b>Other Standards</b>	IEC 60651 : 1979 TYPE 1 IEC 60804 : 2000 TYPE 1
<b>Microphone</b>	½" pre-polarized condenser microphone build in preamplifier : 40 mV / Pa, Frequency Range : 10Hz ~ 16kHz, heat noise : <20 dB(A)
<b>Measurement Items</b>	Lxyi, Lxyp, Lxeq, Lxmax, Lxmin, LAE, Lcpeak, Lzpeak, Remark : X is A, C, Z & Y is F, S, I.
<b>Measurement Range</b>	30dB ~ 130dB(A); 35dB ~ 130dB(C); 40dB ~ 130dB(Z)
<b>Dynamic Range</b>	> 110 dB
<b>Operating Temperature &amp; Humidity</b>	5°C ~ 40°C; <80% R.H.
<b>Storage Temperature &amp; Humidity</b>	-10°C ~ 60°C; <70% R.H.
<b>Integrate Time Setup</b>	Randomly, 10s, 1m, 5m, 10m, 20m, 30m, 1h, 2h, 4h, 8h, 16h, 24h.
<b>Maximum Peak C Sound Level Measurement</b>	70 ~ 13 dB
<b>Time Weighting</b>	Fast, Slow, Impulse, Peak
<b>Frequency Weighting</b>	A/C/Z
<b>Frequency Range</b>	10Hz ~ 16KHz
<b>Sampling Frequency</b>	20.8 s (48KHz)
<b>Analog Output</b>	AC 20mV / dB
<b>Starting Time</b>	<10 Seconds
<b>Power Requirement</b>	LR6 : 4 Alkaline Batteries (8 hours)
<b>AC Adapter</b>	Input : 100V ~ 240V, Output : 6V DCV
<b>Dimensions</b>	285(L) x 90(W) x 39(H) mm
<b>Weight</b>	500g (including Batteries)