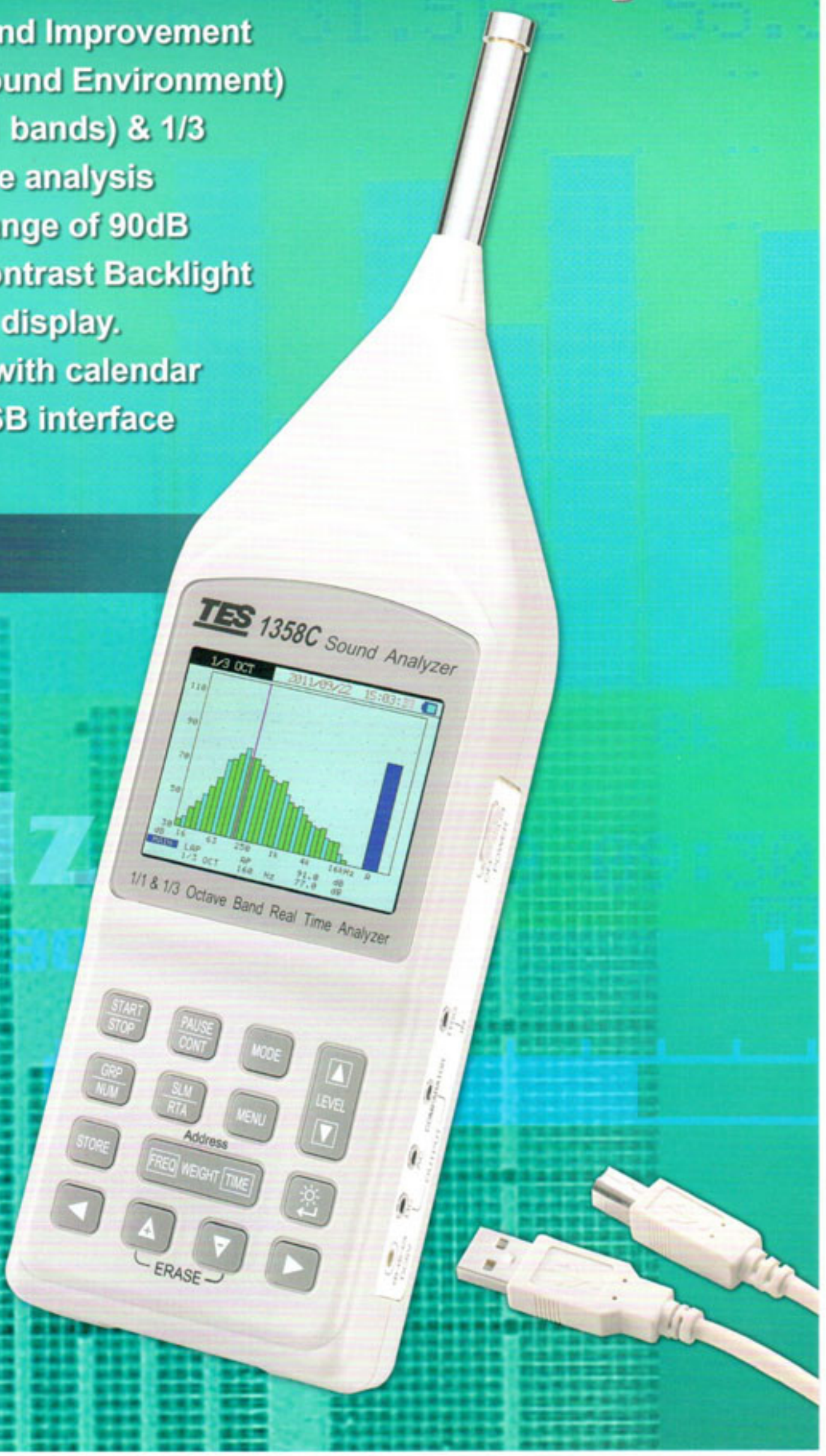
TES Reliable in Quality

TES-1358C Sound Analyzer

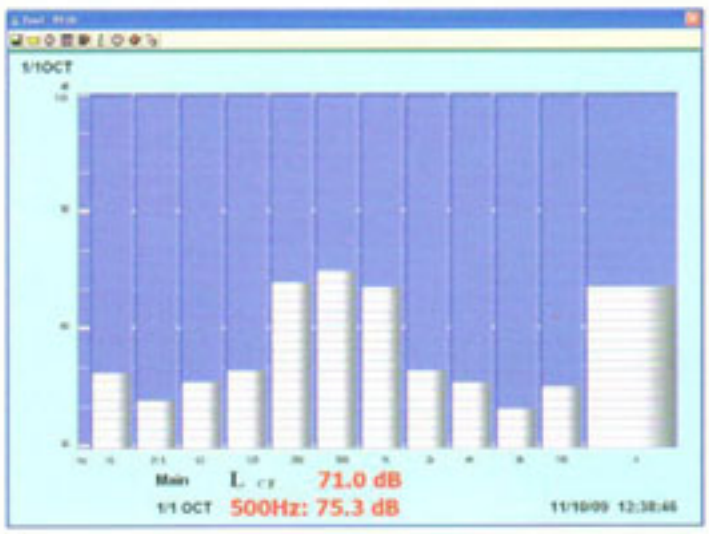
- For Delicate Sound Improvement (Sound Effect/Sound Environment)
- Real Time 1/1 (11 bands) & 1/3 (33 bands) octave analysis
- Wide Linearity range of 90dB
- Superb high – contrast Backlight TFT – LCD color display.
- Real time Clock with calendar
- Software with USB interface

USB

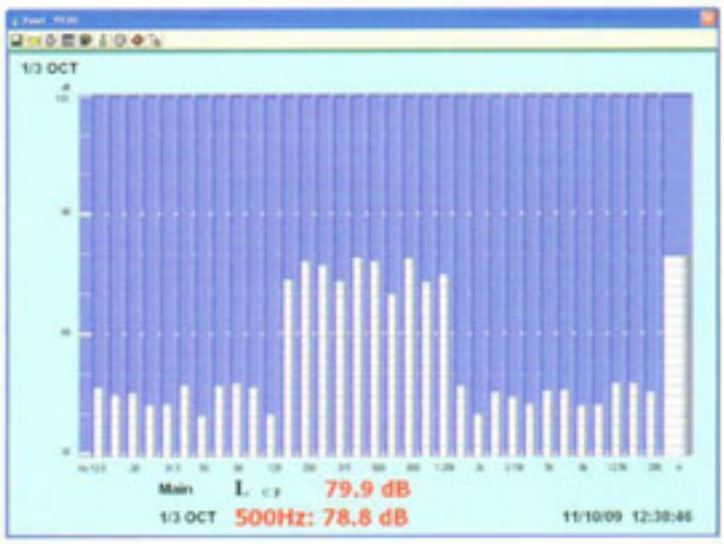


1358C Sound Analyzer

Real Time 1/1 & 1/3 Octave band Analysis

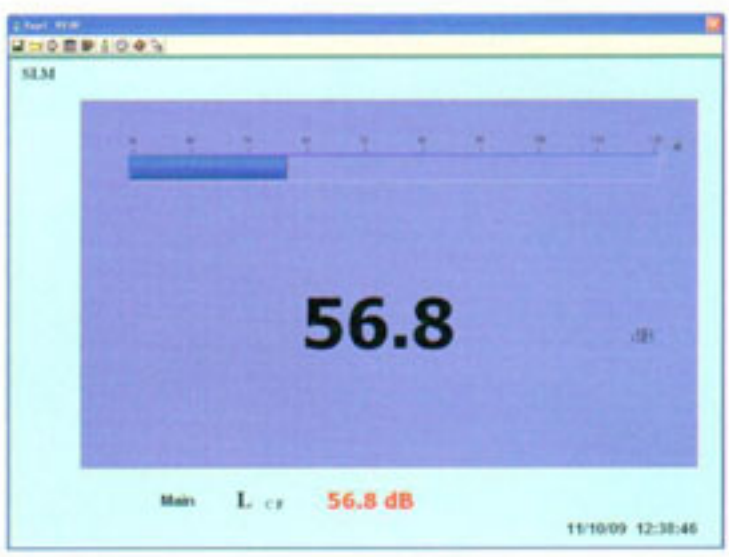


1/1 Octave band center frequencies : (11 bands)					
16Hz,	31.5Hz,	63Hz,	125Hz,	250Hz,	500Hz,
1KHz,	2KHz,	4KHz,	8KHz	and	16KHz



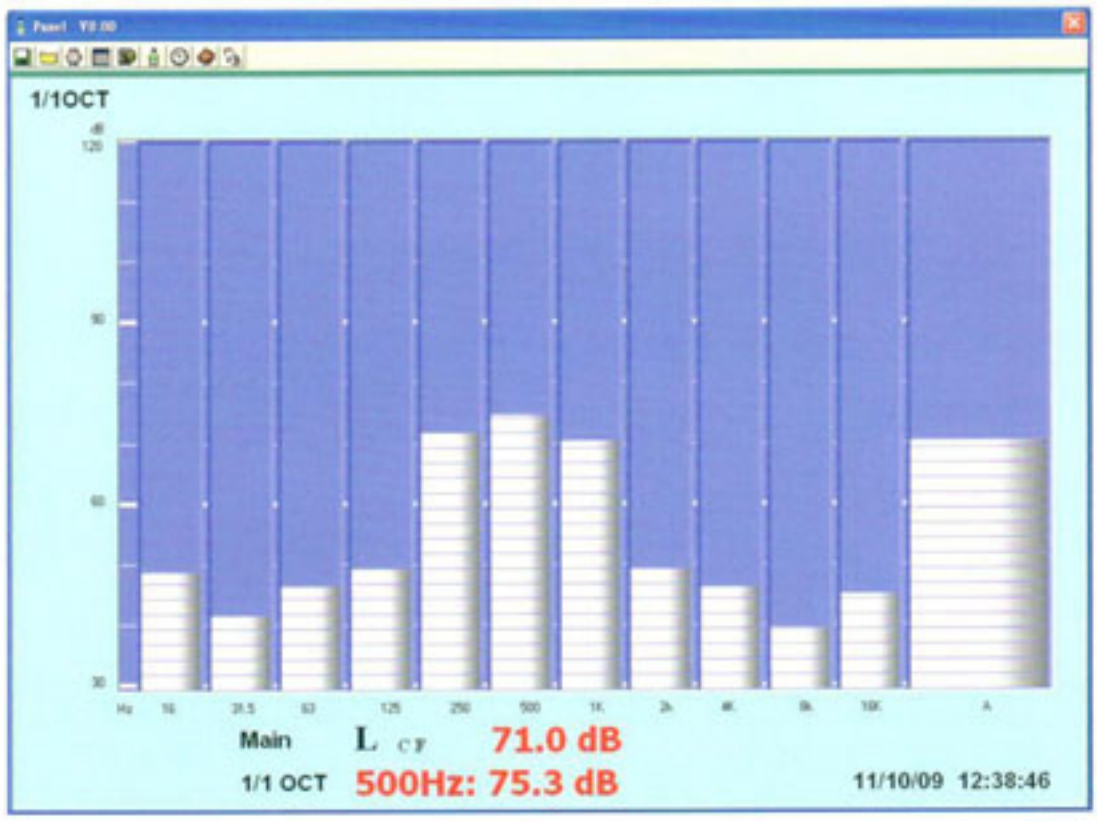
1/3 Octave band center frequencies : (33 bands)						
12.5Hz,	16Hz,	20Hz,	25Hz,	31.5Hz,	40Hz,	50Hz,
63Hz,	80Hz,	100Hz,	125Hz,	160Hz,	200Hz,	250Hz,
315Hz,	400Hz,	500Hz,	630Hz,	800Hz,	1KHz,	1.25KHz
1.6KHz,	2KHz,	2.5KHz,	3.15KHz,	4KHz,	5KHz,	6.3KHz,
8KHz,	10KHz,	12.5KHz,	16KHz,	20KHz		

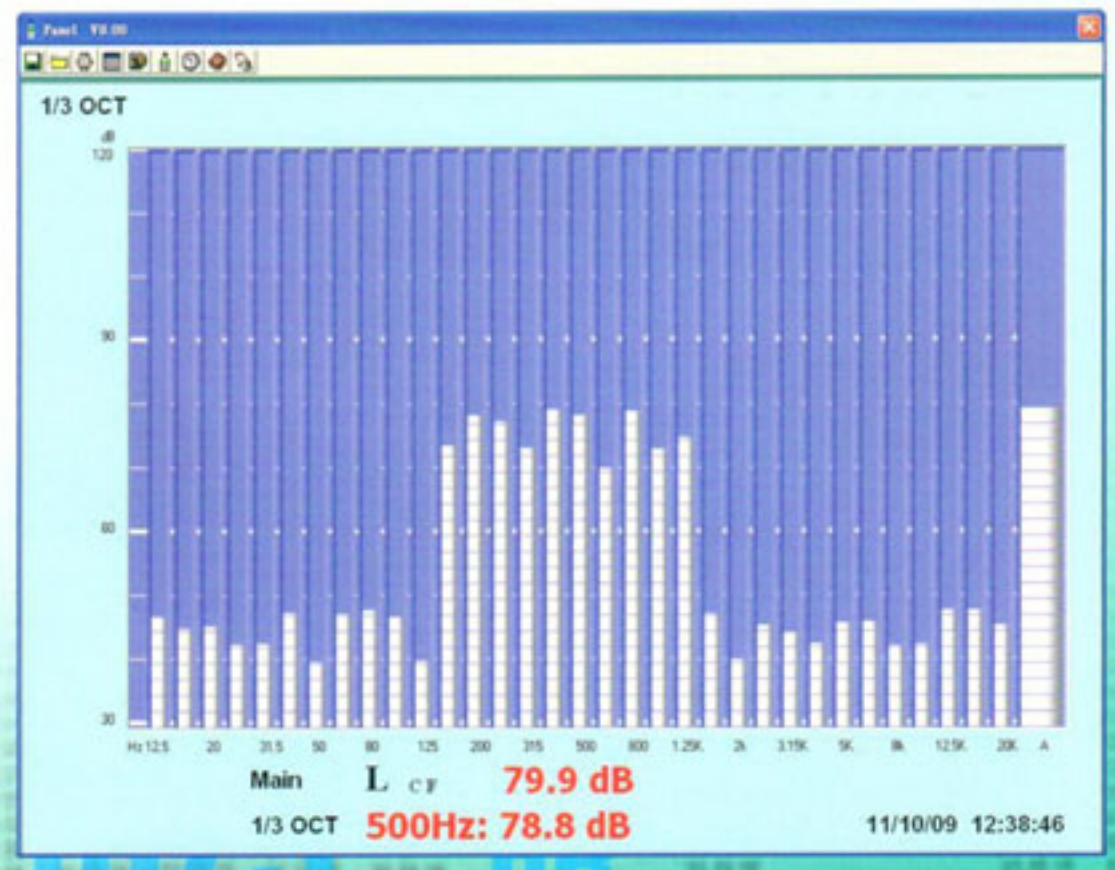
P.C. Software

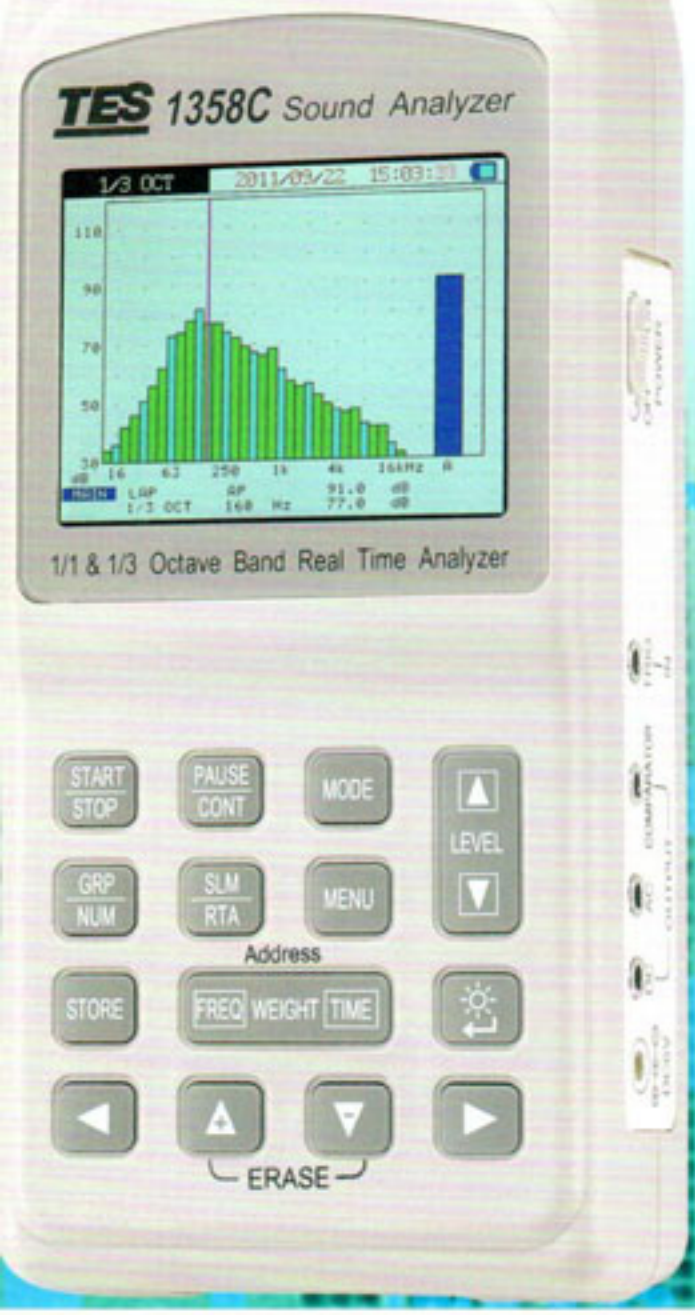


TES-1358C Sound Analyzer

Full Page Note Book P. C. Screen







FEATURES

- ❑ Superb high – contrast Backlight TFT – LCD color display.
- ❑ Compliant with IEC 61672-1 class 2 standard
- ❑ Real-time 1/1-Octave and 1/3-Octave analysis.
- ❑ Measurement can be started by internal or external trigger.
- ❑ Comparator output to trigger external devices.
- ❑ Data transfer using USB.
- ❑ Dynamic range of 90dB.
- ❑ Real time clock with calendar.
- ❑ AC and DC outputs.

SPECIFICATIONS

Applicable standards	IEC61672-1 : 2002 Class 2, ANSI S1.4 : 1983 Type 2, ANSI S1.11 – 2004 Class 2, IEC61260 : 1995 Class 2, ANSI S1.43 – 1997 Class 2
Microphone	1/2-inch Electret condenser microphone
Measurement range	30dB to 130dB
Measurement function	Lp , Leq , L_E , Lmax , Lmin
Frequency range	12.5Hz to 20KHz
Frequency weighting	A ,C and Z
Time weighting	Fast , Slow
Display	3.5" 320x240 TFT – LCD display with back light
Sound level meter range	5 ranges in 10 – dB step, 40 – 130dB / 30 – 120dB / 20 – 110dB / 10 – 100dB / 0 – 90dB
1/1·1/3 Analyzer level range	5 ranges in 10 – dB step, 40 – 130dB / 30 – 120dB / 20 – 110dB / 10 – 100dB / 0 – 90dB
1/1 Octave and 1/3 Octave band filters	1/1 Octave band center frequencies : (11 bands) 16Hz, 31.5Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 8KHz and 16KHz 1/3 Octave band center frequencies : (33 bands) 12.5Hz, 16Hz, 20Hz, 25Hz, 31.5Hz, 40Hz, 50Hz, 63Hz, 80Hz, 100Hz, 125Hz, 160Hz, 200Hz, 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
Extension cable	Available in lengths of 5m (TL-F47/5M) and 10m(TL-F47/10M)
Memory capacity	10000 data (Sound level meter mode)
Signal output	AC output : 1 Vrms (at full scale) DC output : 3.0V, 25mV/dB at range full scale
Power	4 pcs of C size 1.5V (LR14) batteries
External DC power supply	6V, 1A
Battery life	Approx. 2hrs
Operating Temperature/Humidity	-10°c to 50°c, 10 to 90% RH
Dimensions & Weight	34.5(H)×10(W)×6(D) cm & Approx. 950g (including batteries)
Accessories	Instruction manual, Battery, Carry case, Software, USB cable, Wind shield, 3.5ø plug, AC/DC Adaptor.

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