

TES 1358E

Sound Analyzer

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

FEATURE:

- Compliant with IEC 61672-1 class 1 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
- Super high – contrast backlight TFT – LCD color display
- Dynamic range of 90dB
- AC and DC outputs
- Data transfer using USB
- microSD card

SPECIFICATIONS:

Applicable standards	IEC 61672-1: 2013 Class 1, IEC 61260-1: 2014 Class 1, ANSI S1.11: 2004 Class 1, ANSI S1.4: 1983 Type 1, ANSI S1.43: 1997 Type 1
Microphone	1/2-inch Electret condenser microphone
Measurement range	30 to 130dB
Measurement level range	20 to 90dB, 20 to 100dB, 20 to 110dB, 30 to 120dB, 40 to 130dB
Measurement function	Lp , Leq , L _E , Lmax , Lmin , L ₀₅ , L ₁₀ , L ₅₀ , L ₉₀ , L ₉₅
Frequency range	12.5Hz to 20KHz
Frequency weighting	A ,C and Z
Time weighting	Fast , Slow, $\tau = 10\text{ms}$, Impulse
Accuracy	$\pm 0.7\text{dB}$ (ref 94dB @1KHz)
Display	3.5" 320x240 TFT – LCD display with back light
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 (Optional accessories)	Available in lengths of 5m (TL-F47/5M) and 10m(TL-F47/10M)
Memory capacity	Manual (250 data sets), Auto (250 blocks on microSD card)
Signal output	AC output: 1 Vrms (at full scale) DC output: 10mV/dB
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, Alkaline battery × 4, Hard carry case, CD-ROM, USB cable, microSD card, Windscreen, 3.5 ϕ plug, AC adaptor.