



Item ref: 600.106UK

TSL01 DIGITAL MULTITESTER

User Manual

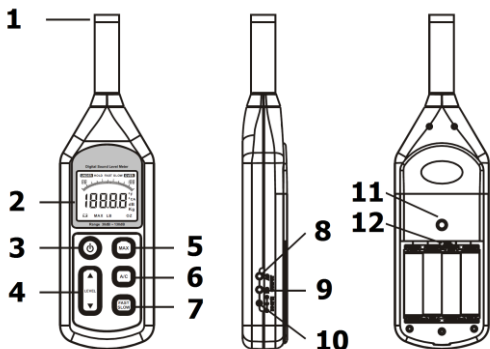


Please read this manual thoroughly and ensure all contents are fully understood before using the apparatus.



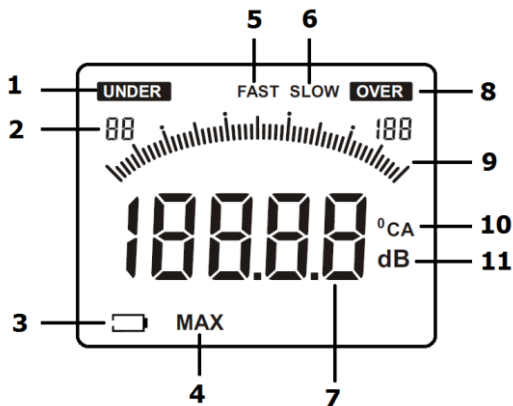
This device is designed to measure the sound level in the environment. Conforms to IEC61672-1 Type II and ANSI S1.4 Type II it is suitable for monitoring background noise to ensure health and safety standard and safety requirements to be met.

Layout:



- | | |
|--------------------------------|-------------------------|
| 1. Condenser Mic | 7. Time weight setting |
| 2. LCD display | 8. A/C output |
| 3. On/Off switch | 9. D/C output |
| 4. Level range setting control | 10. 6Vdc power input |
| 5. Max value hold switch | 11. Tripod mount |
| 6. Sensitivity weight setting | 12. Calibration control |

LCD Screen Display:



1. Lit indicate current sound level is below selected range
2. Sound level range, press level button to select 30-80dB, 50-100dB, 60-110dB, 80-130dB or 30-130dB
3. Low battery indication, replace battery before carry on using
4. Max value hold display, toggle on/off by press max button, when function is on, display only the highest recorded value since function was activated.
5. Fast time weighting, sampling at 0.5s interval.
6. Slow time weighting, sampling at 1sec interval.
7. Measurement value.
8. Lit indicate current sound level is above selected range.
9. Live barograph display
10. Sensitivity setting display, change by pressing A/C button. A is more sensitive to general noise, C is more sensitive to low frequency noise.
11. Measurement unit dB.

Operation:

This unit is not suitable for use above 2000m sea level. Humidity in testing environment should be less than 80%RH temperature 0-40°C.

- Switch on the unit
- Select desired measuring range ideally UNDER and OVER should not be display.
- Select sensitivity weight, for general noise use A, for low frequency noise use C.
- For measuring short burst noise set time weight to fast, for normal background noise use slow.
- For monitor peak noise level, press Max button, only the highest on record will be displayed.

Calibration:

All unit are calibrated from the factory, however we recommend device to be recalibrate once a year. To calibrate, insert the mic into the acoustic calibrator. Set Sensitivity weight to A, time weight to fast and range to 60-110dB. After the calibrator is on, use a fine flat screw driver to adjust the potentiometer on top of the battery compartment until display 94dB.

Accessories:

- Instruction manual
- Heavy duty protection box
- 4 x AA battery
- 1 x Foam windshield

Specification:

Measure Range	–	30-130dBA, 35-135dBC
Accuracy	–	+/-1.5dB (under reference condition)
Frequency Range	–	31.5Hz – 8.5kHz
Level Range	–	30-80, 50-100, 60-110, 80-130, 30-130dB
Linearity Range	–	50dB/100dB

Frequency	Weight	–	A/C
Resolution		–	0.1dB, 4 digits display
Time	Weight	–	Fast/Slow 0.5s/1s sampling rate
Microphone		–	1/2" Electret Condenser Mic
Power		–	4 x AA Battery or 6V dc PSU
Battery Life		–	30 hours (alkaline AA batteries)
Operation condition		–	0-40°C, 70-80%RH
Storage condition		–	-10-60°, 10-80%RH
Weight		–	308g(include battery)
Dimension		–	256 x 70 x 35mm



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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