

SL100 Sound Level Meter

- Meets ANSI and IEC 651 Type 2 standards
- 3-1/2 digit LCD display
- A&C frequency weighting
- 0.1 dB resolution
- Maximum hold function
- Internal calibration check
- Fast and slow response
- Analog output jack

**SL100****T100 Photo and Contact Tachometer**

- A photo and contact tach in one instrument
- Measures RPM and surface speed
- Records the minimum, maximum last value
- 0.5 to 100,000 RPM measurement range
- 0.05% accuracy
- 5 Digit LCD

**T100**

■ SPECIFICATIONS

[SL100]**Measurement Ranges****Frequency:** 30Hz to 12kHz**Decibel:**

A Lo: Weighting: 35 to 100dB

A Hi: Weighting: 65 to 135dB

C Lo: Weighting: 35 to 100dB

C Hi: Weighting: 65 to 135dB

Best Resolution: 0.1dB**Accuracy:** ±1.5dB**Dynamic Range:** 70dB**Input:** Condenser Microphone**Frequency Weighting:**

A: 500 to 10kHz;

C: 30 to 10kHz

Time Weighing: Slow or Fast**Maximum Hold Decay:** <1dB/3min**Analog Output:**

AC Conditioned: 0.7V RMS, corresponding to each range step

Output Impedance: 600Ω

DC Conditioned: 10mV/dB

Output Impedance: 100Ω

General Specification**Operating Temperature:** 0 to 50°C at relative humidity of less than 80%**Power:** 9V battery for 100 hours life with alkaline battery**Size:** 9.5" H × 2.7" W × 1.0" D**Weight:** 7.6 oz.**Supplied Accessories:** Manual, battery, Adjustment screwdriver, Carrying case**[T100]****Range****Photo Tach:** 5 to 99,999 RPM**Contact Tach:** 0.5 to 19,999 RPM**Surface Speed (m/min):** 0.05 to 1,999.9 m/min**Surface Speed (ft/min):** 0.2 to 6,560 ft/min**Resolution****Photo Tach:**

0.1 RPM (0.5 to 999.9 RPM) 1 RPM (over 1000 RPM)

Contact Tach:

0.1 RPM (0.5 to 999.9 RPM)

1 RPM (over 1000 RPM)

Surface Speed (m/min):

0.01 m/min (0.5 to 99.99)

0.1 m/min (over 100m/min)

Surface Speed (ft/min):

0.01 ft/min (0.1 999.9 ft/min)

0.1 ft/min (over 1000 ft/min)

Sampling Time**Photo Tach:** 1 sec over 60 RPM**Contact Tach:** 1 sec over 6 RPM**Accuracy:** ± (0.05% Rdg + 1D)**Photo Tach Detection:** Distance 2 to 6 inches (50 to 150mm)

Max. Detection Range: 12 inch, (300mm) typical depending on ambient light

General Specifications**Display:** 5 Digit LCD**Power:** (4) 1.5V AA Batteries**Operating Temperature:** 0 to 50°C at a relative humidity of 0 to 80%**Size:** 6.7" H × 2.8" W × 1.5" D"**Weight:** 8.8 oz.**Supplied Accessories:** Manual, Carrying case, RPM Adapter (cone), RPM Adapter (funnel), Surface speed test wheel, Reflective tape