

Easy noise level measurement

SKF Sound Pressure Meter TMSP 1

The SKF TMSP 1 is a high quality, handheld instrument for measuring the sound level in decibels. The environmental noise is picked up by the microphone and then processed by the handset. The noise can be monitored both quantitatively and qualitatively. The SKF Sound Pressure Meter is supplied in a carrying case complete with windshield, calibration screwdriver, jack for external outputs and an alkaline battery.

- User friendly and easy to operate, no special training required.
- dBA and dBC scale weightings for both general sound level and low frequency noise measurements.
- Fast and slow time weighting enables either normal measurements or the average level of fluctuating noise.
- Four different measurement scales to suit almost all situations.
- User selectable backlight for use in environments with poor lighting.
- Four digit LCD panel with both digital and bar graph display.
- Max and min function for peak measurements and alarm function to indicate when the noise level is too low or too high.
- Tripod mounting thread for use when the instrument must remain in the same position for a prolonged period.





Technical data

Designation	TMSP 1
Frequency range	31,5 Hz to 8 kHz
Measuring level range	30 to 130 dB
Display	LCD
Digital display	4 digits, Resolution: 0,1 dB, Display update: 0,5 s
Analogue display	50 segments bar-graph Resolution: 1 dB Display update: 100 ms
Time weighting	Fast (125 ms), Slow (1 s)
Level ranges	Lo = 30-80 dB, Med = 50-100 dB, Hi = 80-130 dB, Auto = 30-130 dB
Accuracy	±1,5 dB (ref 94 dB at 1 kHz)
Conformity	Fulfills IEC651 type 2, ANSI S1.4 type 2 for sound level meters

Dynamic range	50 dB
Power supply	9 V Alkaline type IEC 6LR61
Power life	50 hours (with alkaline battery)
Operation temperature	0 to 40 °C (32 to 104 °F)
Operation humidity	10 to 90% relative humidity
Operation altitude	Up to 2 000 m (6 560 ft) above sea level
Dimensions	275 × 64 × 30 mm (10.8 × 2.5 × 1.2 in.)
Case dimensions	530 × 180 × 85 mm (20.9 × 7.0 × 3.4 in.)
Weight	285 g (0.76 lb) including battery
Total weight (incl.case)	1 100 g (2.4 lb)

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