

SKF Sound Pressure Meter TMSP 1

Easy noise level measurement

The SKF TMSP 1 is a high quality, hand-held instrument for measuring the sound level in decibels. The environmental noise is picked up by the electret condenser microphone and then processed by the handset. The surrounding noise can be monitored both quantitatively and qualitatively.

The SKF Sound pressure meter TMSP 1 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 suits most applications
- Fast and Slow time weighting selection to enable either normal measurements or measurement of average level of fluctuating noise
- Four different measurement scales to suit almost all eventualities
- Wide operating temperature suitable for diverse industrial environments
- 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
- Alarm functions (Under/Over) to indicate when the noise level is too low or too high
- Tripod mounting facility for use when the instrument must remain in the same position for a prolonged period
- Conforms to IEC651 type2, ANSI S1.4 type 2 for sound level meters



Technical data

Designation	TMSP 1		
Description	SKF Sound Pressure Meter	Accuracy	±1,5 dB (ref 94dB @1KHz)
Frequency range	31,5Hz to 8KHz	Dynamic range	50 dB
Measuring level range	30 to 130 dB	Power supply	9V Alkaline, IEC 6LR61
Display	LCD	Power life	50 hours (with alkaline battery)
Digital display	4 digits Resolution: 0,1 dB Display update: 0,5 s	Operation temperature	0 to 40°C (32 to 104° F)
Analogue display	50 segments bar-graph Resolution: 1 dB Display update: 100 ms	Operation humidity	10 to 90% RH
Time weighting	Fast (125 ms), Slow (1 s)	Operation altitude	Up to 2000 m (6560 ft) above sea level
Level ranges	Lo = 30 ~ 80 dB Med = 50 ~ 100 dB Hi = 80 ~ 130 dB Auto=30-130 dB	Storage temperature	-10 to 60°C (14 to 140° F)
		Storage humidity	10 to 75% RH
		Dimensions	275 x 64 x 30 mm (10,8 x 2,5 x 1,2 in)
		Case dimensions	310 x 165 x 73 mm (12,2 x 6,5 x 2,8 in)
		Weight	285 g (0,76 lbs) including battery
		Total weight (incl.case)	730 g (1,95 lbs)