

Quick and easy detection of air leaks

SKF Ultrasonic Leak Detector TMSU 1

The SKF TMSU 1 is a high quality, user-friendly instrument enabling the detection of air leaks by means of ultrasound. Leaks are caused by fluid flowing from a high pressure environment to a low pressure environment, creating turbulence. The turbulence generates high frequency sounds (so called ultrasound) that can be detected by SKF TMSU 1. The operator simply guides the instrument to the loudest point, which helps locate the leak location.

SKF TMSU 1 also includes a headset, rubber nozzle and batteries, supplied complete in a sturdy carrying case.

- Lightweight compact design makes it easy to operate with one hand.
- User friendly, no special training required.
- By identifying air leaks and fixing them, energy consumption is significantly reduced.
- The flexible tube allows access to confined spaces.
- The headset provides high sound quality even in very high-noise environments, and also helps to protect the ears.
- Wide operating temperature.





Technical data

Designation	TMSU 1
Amplification	7 levels: 20, 30, 40, 50, 60, 70 and 80 dB
Ultrasound sensor	19 mm (0.75 in.) diameter central frequency of 40 kHz
Detected frequencies	38,4 kHz, ± 2 kHz (-3 dB)
Power	Two alkaline AA batteries, 1,5 V. Rechargeable batteries can also be used
Battery life	Typically 20 hours
Dimensions	Body: 170 × 42 × 31 mm (6.70 × 1.65 × 1.22 in.) Flexible tube length: 400 mm (15.75 in.) Case dimensions: 530 × 110 × 360 mm (20.9 × 4.3 × 14.2 in.)
Weight	0,4 kg (0.9 lb) incl. batteries Total weight: 3,1 kg (6.8 lb)
Operating temperature range	-10 to +50 °C (14 to 122 °F)

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