SKF Ultrasonic Leak Detector TMSU 1

Quick and easy detection of air leaks

The SKF TMSU 1 is a high quality, user friendly, sensitive 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 TMSU 1. The sensitive piezoelectric crystal in the sensor allows the operator to quickly guide the instrument to the loudest point which helps locate the leak location.

TMSU 1 includes an ultrasonic detector, headset, rubber nozzle and batteries, all supplied complete in a sturdy carrying case.

- Lightweight compact design makes it easy to operate with one hand
- User friendly and easy to operate, no special training required
- Highly reliable, helps identify exact position of the leak
- Valuable instrument for enhancing machinery sustainability. By identifying air leaks and fixing them, energy consumption is significantly reduced
- Sensor mounted on a flexible tube helps enable reach in restricted areas
- Excellent quality headset for optimum sound quality even in very high-noise environments, also act as ear defenders
- Wide operating temperature suitable for diverse industrial environments

Note:
The TMSU 1 is not ATEX approved

Technical data

Designation	TMSU 1
Desciption	Ultrasonic leak detector
Amplification	7 levels: 20, 30, 40, 50, 60, 70 and 80 dB
Ultrasound sensor	Open sensor with a 16 mm (1/2 in Ø) diameter (19 mm – ¾ in Ø – exterior), central frequency of 40kHz
Detected frequencies	38,4 kHz, ± 2 kHz (-3 dB)
Power	Two alkaline AA batteries, 1.5 V. Rechargeable batteries can also be used but the usage time will be reduced
Battery life	Typically 20 hours
Dimensions	Body: 170 x 42 x 31 mm (6,70 x 1,65 x 1,22 in)
	Flexible tube length: 400 mm (15,75 in)
Weight	412 g incl. batteries (14,5 oz)
Operating temperature range	-10 ºC to 50 ºC (14 ºF to 122 ºF)

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