



Cygnus CygScope R

ANALOGUE ULTRASONIC LISTENING DEVICE

Detects leaks that cost you money easily, quickly and accurately.

A simple-to-use, low-cost yet reliable system to reduce your energy costs effectively and dramatically.



Technology

The CygScope R uses detection of ultrasound to allow the user to quickly and accurately find leaks in industrial machinery.

Ultrasound is generated by gas and liquid leaks. The intensity of the detected ultrasound is displayed on the LED bar graph and is made audible through either the internal loudspeaker or headphones.

Features

- Practical, robust instrument suited to virtually all types of leak detection
- Ultrasound amplitude clearly displayed on LED bar-graph
- Highly sensitive, with a large variety of probes
- Simple to use
- Audio alert through built-in loudspeaker or headphones. Leaking gas or liquid in pipelines emits ultrasound. These emissions can be precisely located using the CygScope R.



Applications

- Compressed-air or vacuum systems
- Steam Traps
- Motor and rail vehicles: test seals in cabins, doors, boot/trunk or cold storage chambers, check fuel injection in diesel engines.
- In Industry: verify steam-pipe seals, seal integrity or fittings and condenser drains, search for faults in electrical insulation, detection of early wear in bearings with rotating parts.



Kit contents

CygScope R ultrasonic listening device, ultrasonic air probe C50, flexible cable, battery charger, high-quality headphones, directional tube, transportation case, leather instrument case, shoulder strap, operation and accessories manual.



Probe Options



Air Probe C50 (included in standard kit)
The air probe is the most basic method of detecting ultrasound. It can be directly connected to the testing device, or via the flexible cable.



Directional Tube (included in standard kit)
To be fitted onto the air probe C50 to improve the focus of the probe.



Contact Probe C52
The special contact probe is used to detect ultrasound on solid surfaces, eg noisy bearings.



Waterproof Contact Probe C51
To detect gases/liquids escaping from pipes and valves.

Telescopic Pole

The pole can extend up to 3m long to increase the reach of the user working with the air probe. The air probes are secured in a rotatable clamp and a connection is made with the socket near the clamp.



Flexible Air Probe C53

For otherwise inaccessible locations.

Ultrasonic Transmitter

With adjustable intensity and sound modulation for detection of defective seals.



Specification

Operation Frequency	Approx. 40kHz
Display	LED - scale (10 steps)
Internal Loudspeaker	
Power Supply	Rechargeable batteries with battery charger
Operating Time	Approx. 10 hours
Charging Time	Maximum 9 hours
Dimensions	190 x 110 x 85 mm
Weight	Approx. 500g
Operating Temperature	0°C to +40°C
Storage Temperature	-10°C to +50°C
Protection	IP 20
CE Conformity	EC directives and laws 89/336/EEC (electromagnetic compatibility)

Specifications are subject to change for product improvement

Parabolic Probe C55

High sensitivity, integrated with red-dot-sight, enables reliable and precise detection up to 20m away. Background noise is ignored.





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