WISE AIR 4.0®
MEASURE TO MANAGE

2026 · PRODUCT BROCHURE

Leak Detection

WA-EUS-720

Ultrasonic Leak Detector

RECEIVER KIT · WA-EUS-730 WITH TRANSMITTER

Colour display, automatic noise filter and headphone audio: find leaks fast, even next to running machines.

Air leaks | Gas leaks | Valve leaks | Electrical discharge | Mechanical wear | Tightness



20–90
kHz frequency range

3 filters
automatic noise filtering

2.5" TFT
colour display, bar graph

3 levels
transmitter signal (730)

OVERVIEW

Pinpoint leaks, even in a noisy plant.

When air or gas escapes through a small opening, the turbulence produces ultrasound above 20 kHz. The WiseAir WA-EUS-720 Receiver picks it up between 20 and 90 kHz, converts it into sound you hear through headphones, and shows the signal strength as a number and bar graph on its colour display. Running machinery can flood a plant with ultrasonic noise; one press of the AUTO key finds and filters up to three noise frequencies, so the leak stands out again. The WA-EUS-730 kit adds a Transmitter that fills an unpressurised object with ultrasound, so you can test the tightness of tanks, doors, windows, ducts and seals.



DETECTS

- Air leaks
- Gas leaks
- Valve leaks
- Electrical discharge
- Mechanical wear
- Tightness

Visual and audible

2.5" colour display with signal number and bar graph, plus true leak sound through headphones.

Automatic noise filter

AUTO key finds and removes up to three background noise frequencies, ±5 kHz each.

Adjustable sensitivity

Set the Receiver sensitivity to suit leak size and distance; separate headphone volume.

Transmitter included (730)

Three signal levels for tightness testing where there is no pressure. Optional for the 720 kit.

Accessories in the kit

Power parabola for noisy areas, flexible probe and extension for hard-to-reach points.

Standard batteries

4 × AA in the Receiver, 2 × AAA in the Transmitter. Auto power-off after 60 minutes.

APPLICATIONS

- Compressed-air and gas leak surveys
- Valves, tanks, pipes and heat exchangers
- Air-conditioning and refrigeration systems
- Motors, bearings and machinery
- Electrical discharge on equipment
- Tightness of doors, windows, vents and seals

FILTER THE DISPLAY, NOT THE SOUND

The noise filter acts on the displayed signal only. Headphones still play the unfiltered sound, so you can hear the real hiss of the leak.

PRODUCT ANATOMY

Inside the WA-EUS-720

Ultrasonic microphone
At the tip. Fit the power parabola or flexible probe here.



2.5" colour display
Signal number, bar graph, sensitivity, volume and battery status.

AUTO noise filter key
Finds and filters up to three background noise frequencies.

Sensitivity keys
+ and − set the highest sensitivity at which the bar graph reads near 0.

3.5 mm headphone jack
Standard headphones or earbuds for use under a hard hat.

On/Off button
Auto power-off after 60 minutes without use saves the batteries.

TECHNICAL DATA

Specifications

RECEIVER WA-EUS-720-R

Frequency range	20 ... 90 kHz
Noise filter	Up to 3 filters, ±5 kHz around each noise frequency
Adjustments	Sensitivity, headphone volume
Audio output	3.5 mm headphone jack (no loudspeaker)

DISPLAY

Type	2.5" (6.35 cm) TFT-LCD, 262 K colours
Resolution	240 × 320 pixels
Display area	36.7 × 49.0 mm

RECEIVER POWER AND SIZE

Batteries	4 × 1.5 V AA (LR6) alkaline, not supplied
Current consumption	75 mA typical
Battery life	105 h typical
Auto power-off	After 60 min without use
Dimensions, weight	183 × 75 × 43 mm, 0.235 kg

TRANSMITTER WA-EUS-720-T

Output signal	40 kHz square wave, typical
Signal levels	HIGH, MED, LOW
Batteries	2 × 1.5 V AAA (LR03) alkaline, not supplied
Current, battery life	33 mA; 60 h typical
Low battery	Red LED
Dimensions, weight	137 × 65 × 33 mm, approx. 0.152 kg

ENVIRONMENT

Operating temperature	−20 ... +50 °C
Storage temperature	−20 ... +70 °C (batteries out above +50 °C)
Humidity	Below 80 % RH
Protection class	IP40

COMPLIANCE AND USE

EMC	EN 61326-1, Class A (industrial)
Pollution degree	2
Use	Non-flammable gases; not for explosive atmospheres

RECEIVER RANGE
20–90
kHz

NOISE FILTER
±5 kHz
per filter, up to 3

TRANSMITTER
40 kHz
HIGH · MED · LOW

Quality Every kit is function-tested before dispatch and supplied in a hard carrying case.

KITS AND METHOD

Choose the kit. Find the leak.

Kit contents

ITEM	WA-EUS-720	WA-EUS-730
WA-EUS-720-R Receiver	1	1
WA-EUS-720-T Transmitter	Optional	1
Headphones, 3.5 mm jack	1	1
Earbuds, for use with a hard hat	1	1
Power parabola	1	1
Flexible probe	1	1
Probe extension	1	1
Hard carrying case	1	1
User manual	1	1
Batteries (AA / AAA)	Not included	Not included

Noise-cancelling headphones available as an option.

Tightness testing with the Transmitter

- Use it where there is no pressure, or too little for the Receiver alone.
- Place the Transmitter inside the object and close all openings.
- Start at HIGH; drop to MED or LOW if the Receiver reads maximum everywhere.
- Scan the outside with the Receiver. Escaping ultrasound marks the leak.
- Apply the noise filter before you switch the Transmitter on.
- Typical objects: tanks, doors, windows, roofs, vehicle seals, HVAC ducts, refrigerant lines.

1

Set the sensitivity

Highest setting at which the bar graph still reads 0 or close to 0.

2

Filter the noise

If the display stays at maximum, press AUTO or fit the power parabola.

3

Scan and listen

Sweep the area; the bar graph and the hiss rise as you approach.

4

Pinpoint

Lower the sensitivity, use the flexible probe, and mark the leak.

ORDERING INFORMATION

WA-EUS-720	Ultrasonic leak detector kit: Receiver, headphones, earbuds, power parabola, flexible probe and extension, hard case
WA-EUS-730	As WA-EUS-720, plus WA-EUS-720-T Transmitter with three signal levels

OPTIONS AND ACCESSORIES

WA-EUS-720-T	Transmitter, for upgrading a WA-EUS-720 kit
Noise-cancelling headphones	For very loud surroundings
WA-EUS-750	Acoustic imager with leak rate and cost estimate

IN THE BOX

- WA-EUS-720-R Receiver
- WA-EUS-720-T Transmitter (730 kit)
- Headphones and earbuds
- Power parabola
- Flexible probe and extension
- Hard carrying case
- User manual

WISE AIR 4.0 MEASURE TO MANAGE

Every leak you find is energy you keep.

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