

COMPRESSED AIR ENERGY SAVING SOLUTIONS

**WA-EUS - 720 / 730
Ultrasonic Leak Detector**

WISE Air 4.0®

MEASUREMENT SOLUTIONS:

- Compressor Master Controllers
- Smart Flow Sensors
- Dew Point Sensors
- Power Meters
- Real Time Smart Monitoring Software

About us

Our Vision At WiseAir Technologies is to Offer Our Customers With Innovative and Advanced Measurement Solutions for Compressed Air and Gases at Affordable Costs. With Over 19 Years Experience in The Field of Compressed Air Management, We Have Developed Products that are More Accurate, Smart, Reliable, State-Of-The-Art and Easy to Use. We Aim to Transform The Traditional Manufacturing and Industrial Practices With Our Latest Smart Technologies. Hence We Primarily Focus On Offering Products Which Use Large-Scale Machine To Machine Communication (M2M) and Industrial Internet of Things (IIoT) To Provide Increased Automation, Improved Communication, SelfMonitoring To Analyze and Diagnose Issues Without The Need For Human Intervention. Our "WA" Range of Smart IIoT Sensors, Can Be Easily Networked Together With Manufacturing And Energy Management Softwares. This Connectivity Allows For Seamless Data Collection, Exchange and Analysis To Potentially Facilitate Improvements In Productivity And Efficiency Resulting In Huge Economic Benefits.

Our Network

Our Smart Sensors are Developed With Design and Technology Support From Our Partners Across North America, Europe and Asia. With Our Strong Network of Partners, We Offer Seamless and Best-in-Class Service to Our Customers.



Smart IIoT Sensors

For Measurement of Flow, Power, Dew Point and Pressure



Artificial Intelligence and Machine Learning Softwares

Our Softwares Are Programmed to Analyse and Self Diagnose the Measured Datas



Product Experts

Product Specialists With Decades of Experience in Compressed Air Measurement and Management

Simplify Your Compressed Air Management With Our Smart Technology

Compressed Air Systems are Dynamic and Highly In-Efficient. Hence they Require Continuous Monitoring for Sustained Benefits. With Our WiseAir 4.0 Smart Sensors and M2M / AI Softwares Your Compressed Air System is Measured, Analysed and Improved Over Time.

With Our Seamless and Detailed Analytical Reports You Can Keep Track Of Your Compressed Air Systems Efficiency with Minimal Human Intervention.



COMPRESSOR LIFE CYCLE COSTS

Understand The True Costs Of Compressed Air

In a Compressor's Life Cycle More than 80 % of its Operating Costs is Spent Towards its Energy. Hence Monitoring and Managing Compressors at their Peak Energy Efficiency will give Significant Energy Savings.

Our Smart Sensors Can Provide Vital Informations Like Flow, Power, Dew Point and Pressure. When Our Sensors are Networked with Our AI Software Programs, All the Measured Datas are Analysed and Reported To You With Suggested Action Plans in Real Time.

Manage Your Compressed Air System Efficiently and Effortlessly With Our WiseAir Smart Sensors and AI Softwares.



Our Services

We Offer Free Assessment Services to Identify the HotSpots For Improvements and Develop Road Maps for Sustainable Results. Our Product Specialists Can Also Offer You Customised Plans for Monitoring the Key Performance Factors Of Your Compressed Air System.

Get in Touch with Our Product Specialists to Understand How Your Factory Can Start Saving in Energy & Costs With Our Smart Solutions..



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The Ultimate Tool for Leak Detection in Compressed Air & Inert Gases.

When leaks develop as a result of failed seals or internal components, they emit an ultrasonic sound wave that is above the natural range of human hearing. The **WA-EUS-720** Series Ultrasonic Leak Detectors convert this ultrasonic sound by an electronic process called 'heterodyning' that accurately converts the ultrasounds sensed by the instrument into the range where users can hear the audible signal through a headphone. The high frequency, short wave characteristic of ultrasound enables users to accurately pinpoint the location of a leak or a particular sound in a machine. **WA-EUS- 720** ultrasonic leak detectors allow maintenance personnel to confirm a diagnosis on the spot by being able to clearly discriminate among various equipment sounds. The basic advantages of **WA-EUS-720** ultrasonic leak detectors are that they can easily locate leaks, provide advanced warning of impending mechanical failure and can be used in loud, noisy environments.

The large LCD display bar graph displays the leaking intensity and converts the ultrasound frequencies to human audible range. When working in unpressurised systems, or if the pressure is not sufficient enough to detect or verify a leak with the Receiver alone, use the Transmitter to generate the ultrasonic signal (included with the WA-EUS-730 Kit). In extremely noisy environments where there is strong ultrasonic noise generated by running machinery or equipment, the Receiver's filter function can filter out up to three main noise frequencies which would otherwise hide the noise of the leak.



Features

- 2.5" LCD display with bar graph
- 20 kHz to 90 kHz frequency range: optimal range for detecting a variety of leakage events
- Three filters to remove main noise frequencies in noisy environments
- Adjustable Receiver sensitivity and Three Transmitter signal strengths for accurate leak pinpointing
- Quality Noise Cancellation headphones (Optional) to help identify the source of the leak
- Parabolic Dish to direct the ultrasound towards the sensor
- Detachable Tubular Extension provides additional reach in hard to reach areas

WA-EUS-720 is Ideal for Inspecting

- Leaks of Compressed air or other gases*
- Plumbing
- Electrical and mechanical systems
- Valves, tanks and pipes
- Heat exchangers, boilers and condensers
- Air conditioning and refrigeration systems
- Motors and machinery

* Do not use WA-EUS-720 for combustible gas leak detection. WA-EUS-720 can be used for propane and methane gas leak detection.

Find Leaks Even in Noisy Environments

In some situations, there might be strong ultrasonic noise generated by running machinery, motion sensors or other equipment. This noise will cause the Receiver to read the maximum signal strength of this noise interference on the display regardless of the sensitivity settings and make it unusable for detecting leaks. The Filter function was designed for these situations. Simply press the Filter button and the Receiver will automatically detect and filter out up to three main noise frequencies.

Visual and Audible Leak Pinpointing

While scanning a target area with the Receiver's ultrasonic microphone the displayed bar graph will indicate proximity to the source of the leak. Plug the headphones into the Receiver to audibly hear the leak and verify its source. For example, air leaks will produce more of a hissing sound while electric discharge manifests in a ticking sound.

Features and Specifications

Features	WA-EUS-720 (Only Receiver)	WA-EUS-730 (Receiver + Transmitter)
Sensitivity Adjustment	Available	Available
Volume Adjustment	Available	Available
Signal Level Adjustment	Available	Available
Transmitter	Available	-
Earphone Jack (3.5 mm)	Available	Available
Display Size	LCD 2.5 in (6.35 cm)	LCD 2.5 in (6.35 cm)
Display Dimensions	1.45 x 1.93 in (36.72 x 48.96 mm)	1.45 x 1.93 in (36.72 x 48.96 mm)
Display Resolution	240(RGB) x 320 pixels	240(RGB) x 320 pixels
Display Type	TFT-LCD (262 K)	TFT-LCD (262 K)
Display Color	True, 16bit/color	True, 16bit/color
Frequency Range	20 kHz to 90 kHz	20 kHz to 90 kHz
Filter	±5 KHz of main noise frequency, upto three filters	±5 KHz of main noise frequency, upto three filters
Power Supply	4 x 1.5 V AA (LR6) alkaline batteries	4 x 1.5 V AA (LR6) alkaline batteries
Power Consumption (typical)	75 mA	75 mA
Battery Life (typical)	105 hours	105 hours
Low battery indication	Available	Available
Weight	0.518 lb (0.235 kg)	0.518 lb (0.235 kg)
Dimensions	7.547 x 2.984 x 1.791 in (183 x 75 x 43 mm)	7.547 x 2.984 x 1.791 in (183 x 75 x 43 mm)
APO function	60 minutes when in idle	
Operating Temperature	-20 °C to 50 °C	
Storage Temperature	-20 °C to 70 °C	
Operating Humidity	<80% RH	
Pollution Degree	2	
Protection	IP-40	
Certifications	 EN 61326-1	
Electromagnetic Compatibility (EMC)	Korea (KCC): Class A Equipment (Industrial Broadcasting & Communication Equipment) [1] Electromagnetic Compatibility (EMC) [1] This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business	

Transmitter Specification

Features	
Frequency Range	Typical 40 kHz square wave
Power Supply	2x1.5V AAA (LR03) alkaline batteries
Power Consumption (typical)	33 mA
Battery Life (typical)	60 hours
Low battery indication	Red LED
Weight	Approx. 0.335 lb (0.152 kg)
Dimensions	5.295x2.559x1.326in (137x65 x33mm)



What's in the Box ?

	WA-EUS-720	WA-EUS-730
Receiver	1	1
Transmitter	-	1
Headphones	1	1
Earbuds (for use with 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
AA Batteries (Receiver)	Not Included	
AAA Batteries (Transmitter)	Not Included	

Software (Additional)

	WA-LMS-750
Mobile Application for Leak Documentation	1 User License
Cloud Software For Viewing Leak Report	5 User License

Call our Specialist @ +91 - 090477 78715

LOCATIONS **OUR Network**



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**Understand Compressed Air System Dynamics
With Our Advanced Measurement Solutions**

Measure - Manage - Save - Sustain

Your Local **WISE Air 4.0** [®] Representative: