

ULTRASONIC ACOUSTIC IMAGER - MODEL WA - EUS - 750

WISEAIR[®] 4.0
MEASURE TO MANAGE

2025

A photograph of an industrial facility, likely a refinery or chemical plant, featuring several tall distillation columns and a complex network of pipes. The scene is illuminated by a warm, golden light, suggesting a sunset or sunrise. The image is framed by a large, stylized graphic element that resembles a drop or a lens flare, with a yellow-to-white gradient background.

Smart Measurement Solutions for Compressed Air and Gases

WISEAIR TECHNOLOGIES INDIA LLP

www.wiseair.in



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 22 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, Self Monitoring 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.



Compact. Intuitive. High-Precision Acoustic Imaging.

The WA-EUS-750 by WiseAir Technologies is a state-of-the-art, palm-sized ultrasonic acoustic imager engineered for effortless sound source localization. Designed for both novice and professional users, it combines high sensitivity, intelligent design, and rugged durability in a sleek and portable form factor.

TECHNICAL HIGHLIGHTS:

Frequency Range: Up to 100 kHz

Sensor Array: 136 MEMS ultrasonic sensors

Weight: ~800 g

Build Material: Aluminum alloy

Operation: Single-handed, intuitive UI

APPLICATIONS

- **Compressed Air & Gas Leak Detection**
- **Electrical partial discharge Identification**
- **Predictive maintenance**
- **Mechanical Fault Diagnosis**



Key Features:

- Palm-Sized Portability
- Compact and lightweight at just 800 grams. Ideal for single-handed, long-duration use in demanding industrial environments.
- Wide Frequency Detection
- Detects ultrasonic frequencies up to 100 kHz for a broad range of applications—from compressed air and gas leak detection to partial discharge localization.
- High-Sensitivity MEMS Sensor Array
- Integrates 136 ultra-sensitive MEMS ultrasonic sensors in a precision-optimized pattern for fast and accurate detection of low-amplitude sound signals.
- Digital Camera-Inspired Design
- User-friendly interface and form factor resembling a digital camera. Breaks the traditional acoustic camera stereotype, eliminating the need for specialized training.
- Built for Industrial Durability
- Constructed from aircraft-grade aluminum alloy. Ensures high durability, efficient heat dissipation, and a premium appearance.

SPECIFICATIONS

**EASY TO OPERATE
WITH 5 INCH TOUCHSCREEN**



5 Inch



Extended Usage Time



Compact And Lightweight

**WEIGHT LESS THAN 800g
OVER 5.5 HOURS USAGE TIME**

Microphone

Parameter	Value
Microphone Type	Digital MEMS
Signal-To-Noise Ratio	64.3 dB(A)
Microphone Frequency Range	20 Hz ~ 100 kHz
Microphone Dynamic Range	30 dB(A) ~ 124 dB(A)
Sensitivity	-26 dBFS (1 kHz, 94 dB SPL)

Microphone Array

Parameter	Value
Channels	136
Array Aperture Diameter	50 mm
Recommended Imaging Frequency Range	10 kHz ~ 100 kHz
Maximum Imaging Frequency Range	2 kHz ~ 100 kHz
Recommended Imaging Range*	0.3 ~ 130 m
Acoustic Imaging Frame Rate	25 FPS
Acoustic Imaging Dynamic Range	18 dB

Application Images :



Other Parameters

Parameter	Value
PRPD	Supported
PD Type Classification	Supported
Leak Rate & Cost Estimation	Supported
Camera Resolution	13 MP. Saving 1280 x 720 pixel pi
Built-in Storage	128GB
Display Resolution	1280 x 720
Display	5 inch Touchscreen
Bluetooth	4.2
WIFI	Supported
Picture/Video	Supported
Battery	3300 mAh Rechargeable Li-ion
Battery Usage Time	5.5 hours
Size (H x L x W)	110 mm x 150 mm x 80 mm
Weight	< 800g
Operating Temperature	-20 °C to 50 °C
Relative Humidity	10 % to 95 % Non-Condensing
Minimum Leak Rate	1.5m, 1.72bar, 0.25ml/s
IR Module Resolution	640 x 512 Optional
Explosion-Proof	Optional
Ingress Protection Code	IP 54 Optional



For More Info
SCAN HERE



**UNDERSTAND COMPRESSED AIR SYSTEM DYNAMIC
WITH OUR ADVANCED MEASUREMENT SOLUTIONS**

MEASURE – MANAGE – SAVE – SUSTAIN



WISEAIR TECHNOLOGIES INDIA LLP

 +91 90477 78715

 info@wiseair.in

 www.wiseair.in

 Plot No.12, Sri Venkatalakshmi Nagar,
Singanallur, Coimbatore - 641005. INDIA.

Follow Us

