

WISE AI 4.0[®]

MEASURE TO MANAGE



BROCHURE

PRODUCTS / SERVICES

Smart Measurement Technology
That You Can Trust



For More Info
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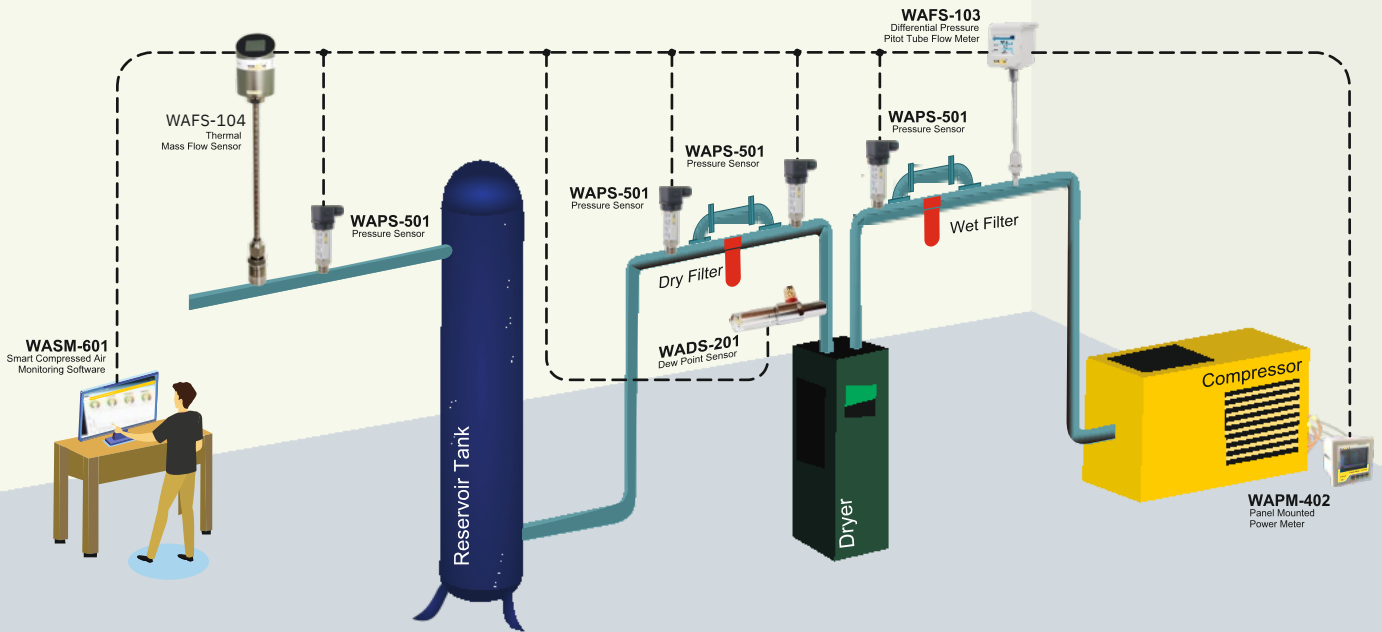
CEO Statement

At WiseAir Technologies, we are dedicated to delivering innovative and reliable measurement solutions that drive efficiency and precision in industries. I am proud to lead a team of experts who are committed to staying at the forefront of technology, and providing unparalleled customer support. Our goal is to empower businesses with the tools they need to make informed decisions and reach their full potential. Join us on this exciting journey of progress and accuracy.



Hidhay .K





About Us

At WiseAir Technologies, our mission is to empower industries with innovative and advanced measurement solutions for compressed air and gases. With over 20 years of expertise in the field of compressed air management, we have developed smart, reliable, and state-of-the-art products that are both accurate and easy to use. Our focus is on incorporating cutting-edge technologies like M2M communication and the Industrial Internet of Things (IIoT) to bring increased automation, improved communication, and self-monitoring to industrial processes.

Our WA range of smart IIoT sensors can be easily integrated into existing manufacturing and energy management software to enhance data collection, exchange, and analysis for improved productivity and efficiency.

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.



Artificial Intelligence and Machine Learning Software

Our software are programmed to analysis and self Diagnose the Measured Datas



Smart IIoT Sensors

For measurement of Flow, Power, Dew Point and Pressure



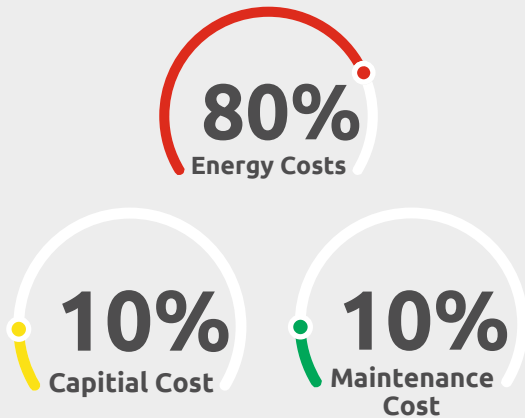
Product Experts

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

Streamline Your Compressed Air Operations with Cutting-Edge Technology

At Wiseair, we understand the importance of efficient compressed air management. That's why we offer a smart technology solution that streamlines your operations and optimizes efficiency. Our state-of-the-art system provides real-time monitoring and control of your compressor, delivering valuable production insights and early problem detection to prevent costly repairs and downtime. By utilizing our technology, you can save on energy costs, enhance efficiency, and minimize maintenance expenses for a more sustainable and profitable operation."

Compressor Life Cycle Costs



Streamline Your Operations with AI-Powered Solutions

WiseAir utilizes AI software and smart sensors to monitor and manage your compressed air system in real-time, providing effortless and efficient control. Say goodbye to manual monitoring and costly repairs. With our system, you can save money, reduce maintenance expenses, and improve efficiency.

Transform the Way You Manage Compressed Air

Say goodbye to traditional methods of compressed air management and join the WiseAir revolution. By taking control of your compressed air system, you can improve efficiency, reduce costs, and streamline your operations with our state-of-the-art technology.

Revamp your Compressed Air Management with WiseAir

Say goodbye to skyrocketing energy costs and maintenance expenses. With WiseAir's innovative technology, you can take control of your compressed air system and optimize its performance. Our advanced system tracks the energy use of your compressor, providing valuable insights into cost-saving opportunities and detecting any potential issues before they become costly repairs.

Unlock Your System's Potential

WiseAir offers a free assessment service to identify areas for improvement and develop a roadmap for sustainable results. Our product specialists can also provide customized plans to monitor the key performance factors of your compressed air system. With our expertise, you can unlock the full potential of your system and achieve significant energy savings.

Connect with Our Expert Product Specialists to Learn How Your Factory Can Begin to Realize Energy and Cost Savings with Our Advanced Solutions.

Call Us

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Email Us

Asia : info@wiseair.asia
Europe : info@wiseair.asia

WAFS - 103/103D Differential Pressure Pitot Tube Flow Meter

FEATURES :

- Specially Designed with Patented Anti Condensation Technology
- Flow and consumption measurement in Wet Compressed Air
- Insertion Type with Anti Ejection Design
- Ideal for Compressor FAD Measurement
- Standard Options Include Built in Temperature and Pressure Sensors
- High temperature applications up to 390 °C
- Integrated 2.5" Display with Touch Functions and Optional Data Logging
- Bluetooth Interface For Easy Sensor Configuration
- Supports WiseAir 4.0 Bluetooth Mobile Application (Android Version)

APPLICATIONS :

- Suitable for Wet and Dry Air
- Suitable for High Velocities
- Specially Designed for Air and N2 Applications
- Can also Measure Argon, Carbon Dioxide, Helium, Hydrogen, Natural Gas, Nitrogen, Nitrous Oxide, Oxygen • Compressor FAD Measurement



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WAFS - 104 Thermal Mass Flow Sensor

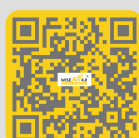


FEATURES :

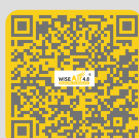
- Independent of pressure and temperature changes
- Insertion Type with Anti Ejection Design
- Measures standard flow, mass flow and consumption
- Installation under pressure through 1/2" ball valve
- With the integrated display users can see the actual flow and the total consumption
- IP65 casing provides robust protection in rough industrial environment
- Isolated mA and pulse output signals or Modbus/RTU interface
- Very fast response time, high accuracy and wide measuring range

APPLICATIONS :

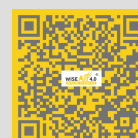
- Used in Industrial Processes, Chemical, Petrochemical, Power Engineering, etc. • Suitable for Compressed Air Consumption Measurement.
- Determination of Gas Leakage / Leakage Rate.
- Suitable for Process Gas Measurement, such as Nitrogen, Carbon Dioxide, Oxygen, etc
- Suitable for Nitrogen Generators



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WAFS - 105 Thermal Mass Flow Sensor (Inline Type)



FEATURES :

- Independent of pressure and temperature changes
- Inline Type Sensor
- Measures standard flow, mass flow and consumption
- With the integrated display users can see the actual flow and the total consumption
- IP65 casing provides robust protection in rough industrial environment
- Isolated mA and pulse output signals or Modbus/RTU interface
- Very fast response time, high accuracy and wide measuring range

APPLICATIONS :

- Suitable for Gas Consumption Measurement of Points of use
- Used in Industrial Processes, Petrochemical, Power Engineering, etc.
- Suitable for Compressed Air Consumption Measurement.
- Determination of Gas Leakage / Leakage Rate.
- Suitable for Process Gas Measurement, such as Nitrogen, Carbon, Oxygen, etc.
- Suitable for Nitrogen Generators



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WAFS - 106 Thermal Mass Flow Sensor

FEATURES :

- Thermal Mass Flow sensor are Independent of Temperature and Pressure Change , Integrated Temperature Measurement
- Ultra-Wide 1:2500 Turndown Ratio
- Measurement Range from 0.1 Nm/s to 250 Nm/s
- Full Electrical Isolation thoroughly Filter out Disturbance
- 2.8" Ultra-Wide Viewing Angle LCD with Capacitive Touch
- No Moving Parts , Low Pressure Drop
- Optional Data Logging, 10,000,000 Recording Points
- With Bluetooth Function for Wireless Sensor Configuration and Data Transmission

APPLICATIONS :

- Suitable for Dry Compressed Air
- Suitable for High Velocities
- Specially Designed for Air and N2 Applications
- Can also Measure Argon, Carbon Dioxide, Helium, Hydrogen, Natural Gas, Nitrogen, Nitrous Oxide, Oxygen
- Compressor FAD Measurement



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WAFS - 107 Thermal Mass Flow Sensor (Inline Type)

FEATURES :

- Independent of pressure and temperature changes
- Inline Type Sensor
- Measures standard flow, mass flow and consumption
- With the integrated display users can see the actual flow and the total consumption
- IP65 casing provides robust protection in rough industrial environment
- Isolated mA and pulse output signals or Modbus/RTU interface
- Very fast response time, high accuracy and wide measuring range



APPLICATIONS :

- Suitable for Gas Consumption Measurement of Points of use
- Used in Industrial Processes, Chemical, Petrochemical, Power Engineering, etc.
- Suitable for Compressed Air Consumption Measurement.
- Determination of Gas Leakage / Leakage Rate.
- Suitable for Process Gas Measurement, such as Nitrogen, Carbon, Oxygen, etc
- Suitable for Nitrogen Generators



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WUFS - 904 Ultrasonic Flow Sensor



FEATURES :

- Measures the actual flow and total consumption of various liquid
- Easy and user-friendly configuration
- Various signal outputs: Modbus/RTU (standard), 4... 20 mA
- Flow and consumption can be measured in both directions (Bi-directional measurement).
- Usage in stationary and portable applications
- Measurement log files can be downloaded

APPLICATIONS :

- Non Contact / Non Intrusive Measurement
- Underwater Noise Protection / Bubble Curtain
- Flow Measurement for oxidizing toxic and corrosive gases
- Liquid Flow Measurements



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WADS - 201/202/203/204 Dew Point Sensor



FEATURES :

- For high tech applications with a measurement range of -60°Ctd to +60°Ctd & -80°Ctd to +20°Ctd
- Quick Response Time
- Dual Sensor System for high precision over the whole range.
- Compact size makes them ideal for dryer installations.
- Accuracy $\pm 2^{\circ}\text{C}$ IP65 rated
- Strong contamination resistance
- Signal Output: Modbus RTU interface and 4-20mA current / pulse output.

APPLICATIONS :

- Dew point measurement in compressed air systems
- Dew point measurement during the spray-painting process
- Dew point measurement after refrigerant dryer
- Dew point measurement / Dryer control of desiccant dryers
- Dew point monitoring in the pneumatic conveying of powder
- Dew point monitoring of thermal processing furnaces



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WADS - 205/206 Dew Point Sensor

FEATURES :

- Based On Polymer Film Sensor Technology
- MEMS Based Pressure Sensor for Simultaneous Monitoring of Dew Point and Online Pressure (Absolute Pressure 1 ... 17 Bar)
- Accurate to ± 2 Ctd with up to 9 Dew Point Calibration and Multi-point Temperature Compensation
- Ultra-fast Response
- Excellent Long-term Stability
- Innovative Anti-condensation, Particle, Oil and Most Chemicals Technology
- High Resistance to Electrical Disturbance

APPLICATIONS :

- Dew point measurement after refrigerant dryer
- Dew point measurement / Dryer control of desiccant dryers
- Dew point monitoring of thermal processing furnaces
- Dew point measurement for nitrogen or oxygen generators
- Moisture and oil measurement during wire drawing and cable production
- Humidity and quality measurement when generating compressed air



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WADS - 207/208 Dew Point Sensor

FEATURES :

- With inbuilt 1.5" capacitive touch panel Display
- MEMS Based Pressure Sensor for Simultaneous Monitoring of Dew Point and Online Pressure (Absolute Pressure 1 ... 17 Bar)
- Accurate to ± 20 Ctd with up to 9 Dew Point Calibration and Multi-point Temperature Compensation
- Ultra-fast Response
- Excellent Long-term Stability
- Innovative Anti-condensation, Particle, Oil and Chemicals Technology
- High Resistance to Electrical Disturbance

APPLICATIONS :

- Dew point measurement in compressed air systems
- Dew point measurement during the spray-painting process
- Dew point measurement after refrigerant dryer
- Dew point measurement / Dryer control of desiccant dryers
- Dew point monitoring in the pneumatic conveying of powder
- Dew point monitoring of thermal processing furnaces



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WAPS - 501/502 Pressure Sensor



FEATURES :

- Highly accurate and affordable industrial pressure sensor
- Temperature and humidity tested
- IP67 protection
- Pressure ratio 0...1.6 bar measures with accuracy of full scale 0.5 %

APPLICATIONS :

- Underwater Noise Protection / Bubble Curtain
- Efficiency-FAD analysis for compressors
- Flow meters for oxidizing gases
- Consumption sensors and flow meters for inert gases
- Flow meters for toxic and corrosive gases
- Consumption meter for oxygen, hydrogen, carbon dioxide
- Consumption meter for argon and nitrogen in chemistry
- Nitrogen consumption measurement in the food industry



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WAPM - 402/403 Power Meter



FEATURES :

- WAPM 4200 Series Integrators can be combined with any model of WAPM 4100 Series Miniflex coils.
- The available values are 4-20mA DC.
- On Request, the input value can be customized according to the application.
- WAPM 4200 Series Integrator and Miniflex coil are a very flexible system, suitable for high Power load analysis,
- Impulsive current monitoring, DC ripple measurement, etc.
- Due to its specific features, flexible Miniflex coil is an extremely comfortable solution for current measurement and can be used in a number of cases where the traditional current transducer is not an adequate solution.



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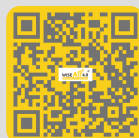
WASM 604 - SMART COMPRESSED AIR MONITORING SOFTWARE

FEATURES :

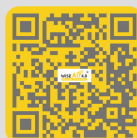
- Easy to Use Monitoring Solution
- Browser / Server Structure
- Alarm Monitoring and Indication on Screen
- Graphical Data Analysis
- Multiple User Configuration
- Third Party Sensor Supported
- Scalable to Fit your Application
- Easy Control over the Full Compressed Air System
- Easy Collection and Compilation of All the Important Data
- Confusion Free Operation of the Air Management System
- Quick Results and Increase in Profits



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WA-EUS-720/730 Leak Detector

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

APPLICATIONS :

- 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



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Benefits of Compressed Air System Digitalization

A compressed air system digital system refers to a system that uses digital technology to control and monitor compressed air systems. These systems typically include various components, such as compressors, dryers, filters, and piping, which work together to produce, treat, and distribute compressed air.

By incorporating digital technology into these systems, it is possible to monitor and optimize their performance in real-time, which can improve efficiency and reduce energy consumption.



Helps You Validate your Compressor, Dryer and Allied Equipments Performance



Simplifies Maintenance



Eases Trouble Shooting



Saves Energy



Improves Cost Savings



Sustains Savings & Improvements Realised

Understand Compressed Air System Dynamics with Our Advanced Measurement Solutions

Measure - Manage - Save - Sustain

Our Network



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