



**WAPS - 501 / 502
Pressure Sensor**

Compressed Air Energy Saving Solutions

Smart Measurement Technology That You Can Trust



For More Info
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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

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.

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.

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

Asia : **+91 90477 78715**
Europe : **+45 36 99 04 22**

Email Us

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

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.

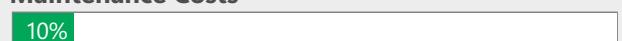
Energy Costs



Capital Costs



Maintenance Costs



A Pressure Sensor May Reveal if a Small Branch Pipe or Other Connecting Components Is Causing Momentary Pressure Drops That Affect Production.



A Pressure Profile is an excellent tool to analyze and understand the functioning of the compressed air system. In many cases, the pressure profile will provide the data needed to identify what is causing the perceived low pressure problem at the end use and to implement an inexpensive solution.

Use the pressure profile measurements to develop a graph of the entire compressed air system at a particular time during the production day. The graph begins with the pressure at the compressor discharge and ends with the demand side components at the point of use. The "point of use" is defined as the final connection at which the compressed air is applied to the device or tool.

Technical Specification

| Item | WAPS 501 |
|-------------------------|---|
| Accuracy | ± 0.5 % |
| Measuring Range | 0 - 16 Bar / 0 - 40 Bar |
| Output | 4..20 mA, Modbus RTU Analogue Output Signal - Pressure |
| Input | 9 - 30V |
| Technology | Ceramic Core, Resistant to Moisture |
| Process Connection | ISO G 1/2" Thread |
| Casing | Stainless Steel |
| Ambient Temperature | -20°C to + 80°C |
| Standards | According to IEC 61326-1 |
| Calibration Requirement | Every 2 Years |

Benefits of Pressure Measurement and Monitoring

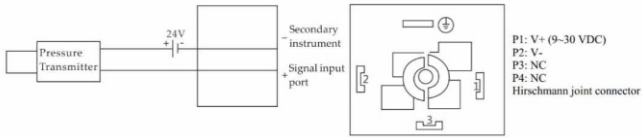
- Monitor the condition and deterioration of rotating equipment and bearings
- Improve reliability and scheduled maintenance
- Protect key assets and critical equipment such as Compressors, Pumps, Conveyors, Motors, Fans, Cooling towers and other key production machinery
- Avoid financial losses from down time and critical equipment failures
- Plan maintenance in advance and prevent expensive failures

Features

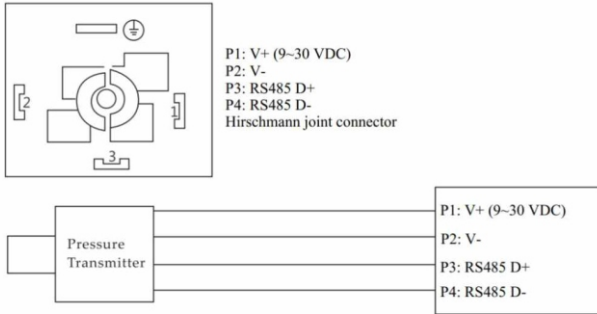
- 0.5 % Accuracy
- Two Outputs
 - 4..20 mA
 - Modbus
- Easy to install and wire
- Stainless Steel Casing

Electrical Connection

Analogue :

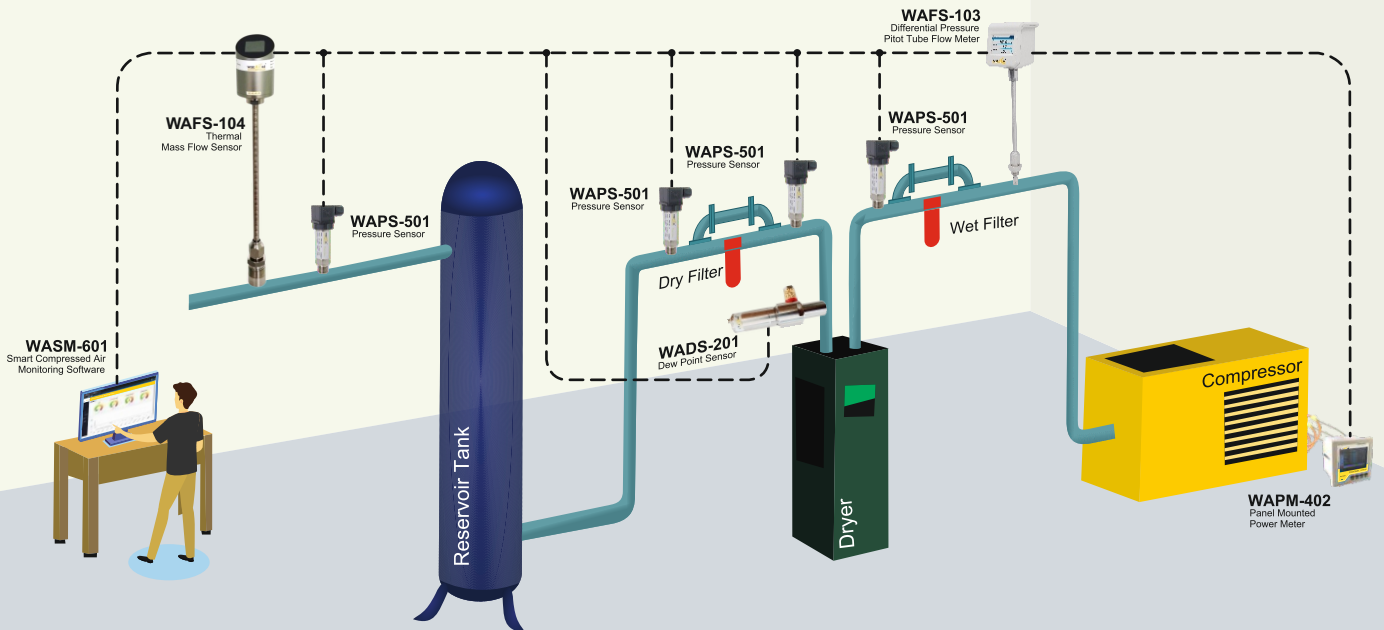


Modbus :



Ordering Codes

- WAPS 501 - A**
 Pressure Sensor Measuring Range 0..16 Bar, With Modbus Output, G 1/2" Process Connection
- WAPS 501 - B**
 Pressure Sensor Measuring Range 0..40 Bar, With Modbus Output, G 1/2" Process Connection
- WAPS 502 - A**
 Pressure Sensor Measuring Range 0..16 Bar, With 4...20 mA Output, G 1/2" Process Connection
- WAPS 502 - B**
 Pressure Sensor Measuring Range 0..40 Bar, With 4...20 mA Output, G 1/2" Process Connection



Understand Compressed Air System Dynamics with Our Advanced Measurement Solutions

Measure - Manage - Save - Sustain

Our Network



ASIA REGIONAL OFFICE

WISEAIR TECHNOLOGIES INDIA LLP

#12 Sri Venkatalakshmi Nagar,
Singanallur, Coimbatore - 641 005. India
Mob : +91 - 90477 78715
Email : info@wiseair.asia

CONTACT US

North America : info.usa@wiseair.eu
Europe : info@wiseair.eu
Middle East : info.uae@wiseair.eu
South Asia : info@wiseair.in
South East Asia : info@wiseair.asia



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