

COMPRESSED AIR ENERGY SAVING SOLUTIONS

WAPS - 501 Pressure Sensor

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



Technical Data WAPS - 501

| | |
|-----------------------------------|-------------------------------------|
| 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 |

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.

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



Call our Specialist @ +91 - 090477 78715

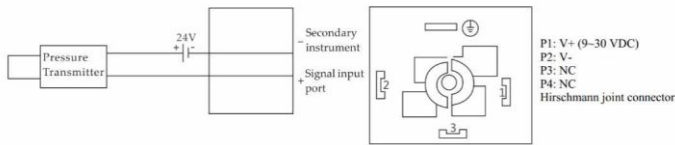
Key Features

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

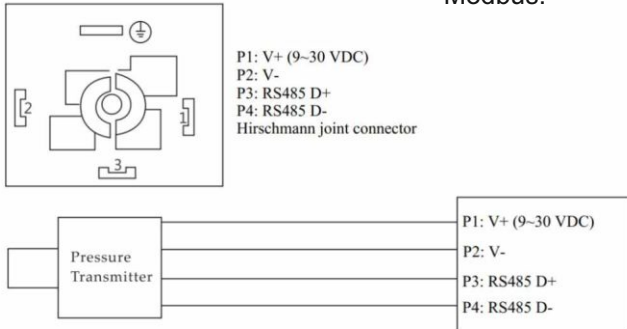


Electrical Connection :

Analogue:



Modbus:



Ordering Codes

| Model No. | Specifications |
|--------------|--|
| 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 |

LOCATIONS **OUR Network**



Europe

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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: