

COMPRESSED AIR ENERGY SAVING SOLUTIONS

**WADS - 205 / 206
Dew Point Sensor**

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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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

Benefits of Pressure Dew Point Monitoring

- Reduces Operating and Energy Costs
- Improves Down Stream Filter Life and Performance
- Increase the lifespan of your compressed air system and it's components
- Reduces Maintenance and Makes the compressed air system more Reliable & Efficient.
- Ensures stable quality of your products through less problems in operation of the system
- Enables fast responses to failures in compressed air drying through permanent monitoring of pressure dew point. Reduces Risk of Bacteria, Fungus and yeast Build Up.
- Alerts you to changes in Dryer Performance Before Moisture Appears in Your Plant.

Product Specialization

Precision Sensor Design Compensates for Drift Caused By Temperature, Contamination and Ageing Providing Long-term, Reliable, High-Accuracy Measurements

Innovative Temperature Compensation Algorithm and Multi-point Temperature Compensation Calibration Greatly Improves the Sensor's Temperature Drift and Ensures High-precision Measurement over A Wide Temperature Range.

Technical Specifications	
WADS - 205	WADS - 206
Measuring Range	
Dew Point	-60 ...+60°Ctd
Temperature	-40...+100°C
Pressure	0...17 bar (a)
Dew Point Accuracy (Air & Nitrogen)	
	+ 20...-60°C
	- 60...-80°C
Temperature Accuracy (Higher Accuracy Can be Provided on Request)	
	+ 0...+50°C
	-40°C...+ 0°C & +50°C...+100°C °
Pressure Accuracy	
	@ 23°C (Standard)
Pressure Temperature Dependence	
	Response Time
Dew Point Sensor Reference : 63% (90%), 20°C, 1bar(gauge), 4L/min	
	-50 > + 20°Ctd
	+20 > - 50°Ctd
	Pressure Sensor
Outputs	
Display	Red / Green Display Lights
Alarm	Buzzer (Optional)
	Power
Input	220V Ac, 10 W
Working Environment	
Operating Temperature	-30....+70°C
Storage Temperature	-40....+80°C
Relative Humidity	0...95 % RH
Sampling Gas Flow Rate	> 1 L/min
Pressure Rating	0...17 bar (a)
Others	
Process Connection	φ6mm Stainless Steel Quick Connector
Sensor Protection	Stainless Steel Sinter Filter 30-45 Micron
EMC	According to IEC 61326-1

Ordering Code	
Part No.	Product Description
WADS - 205	Dewpoint monitor, -60...+60°Ctd
WADS - 205 - A	Dewpoint monitor, -60...+60°Ctd, Integrated online Pressure Sensor, Pressure Dewpoint & Atm. Dewpoint
WADS - 205 - B	Dewpoint monitor, -60...+60°Ctd, with Red/Green light and buzzer alarm
WADS - 205 - C	Dewpoint monitor, -60...+60°Ctd, Integrated online Pressure Sensor, Pressure dewpoint & Atm. Dewpoint, with Red/Green light and buzzer alarm
WADS - 206	Dewpoint monitor, -80...+20°Ctd
WADS - 206 - A	Dewpoint monitor, -80...+20°Ctd, Integrated online Pressure Sensor, Pressure Dewpoint & Atm. Dewpoint
WADS - 206 - B	Dewpoint monitor, -80...+20°Ctd, with Red/Green light and buzzer alarm
WADS - 206 - C	Dewpoint monitor, -80...+20°Ctd, Integrated online Pressure Sensor Pressure dewpoint & Atm. Dewpoint, with Red/Green light and buzzer alarm

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: