



**WADS - 207 / 208
Dew Point Sensor**

Compressed Air Energy Saving Solutions

Smart Measurement Technology That You Can Trust



For More Info
SCAN HERE

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

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Europe : **+45 36 99 04 22**

Email Us

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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





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 $\pm 2^{\circ}$ 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

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.

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 its 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.

Technical Specifications

	WADS 207	WADS 208
Measuring Range		
Dew Point	-60 ...+60° Ctd	-80 ...+20° Ctd
Temperature	-40...+100° C	
Pressure	0...17 bar (a)	
Dew Point Accuracy (Air & Nitrogen)		
	-60...+60°C	+/- 2° Ctd
	-80...+20°C	+/- 3° Ctd
Temperature Accuracy (Higher Accuracy Can be Provided on Request)		
	+ 0...+50°C	+/- 3°C (Standard)
	-40°C...+ 0°C & +50°C...+100°C	+/- 5°C (Standard)
Pressure Accuracy		
	@ 23° C (Standard)	+/- 3% Full Scale
	Pressure Temperature Dependence	+/- 0.01 bar / 10°C
Response Time		
	Dew Point Sensor Reference : 63% (90%), 20° C, 1bar(gauge), 4L/min	
	-50 > + 20° Ctd	20 Secs - 40 Secs
	+20 > - 50° Ctd	1 Min - 3 Mins
	Pressure Sensor	< 1 Sec
Outputs		
Signals	Analog (4..20mA (4Wire, Isolated)/Pulse Output Digital : RS485 Modbus / RTU	
Parameters	Atm.Dew point, Humidity, Temperature, Pressure, Dew point	
Power		
Input	24V, 1 Amps	
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		
Connectors	M12 (5 Pin)	
Sensor Protection	Stainless Steel Sinter Filter 30-45 Micron	
EMC	According to IEC 61326-1	

Ordering Codes

- WADS 207 - A**
 Dew Point Sensor with 1.5" capacitive touch panel Display
 Measuring Range : -60...+60° Ctd,
- WADS 207 - B**
 Dew Point Sensor with 1.5" capacitive touch panel Display
 Measuring Range : -60...+60° Ctd,
 Integrated online Pressure Sensor, Display of both Pressure Dewpoint & Atm. Dewpoint
- WADS 208 - A**
 Dew Point Sensor with 1.5" capacitive touch panel Display
 Measuring Range : -80...+20° Ctd,
- WADS 208 - B**
 Dew Point Sensor with 1.5" capacitive touch panel Display
 Measuring Range : -80...+20° Ctd,
 Integrated online Pressure Sensor, Display of both Pressure Dewpoint & Atm. Dewpoint

Understand Compressed Air System Dynamics with Our Advanced Measurement Solutions

Measure - Manage - Save - Sustain

Our Network



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