



**WADS - 205 / 206**  
**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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#### 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.

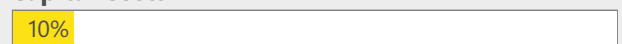
Our Smart Sensors Can Provide Vital Informations Like Flow, Power, Dew Point and Pressure. When Our Sensors are Networked with Our AI Software Programs, All the Measured Datas are Analysed and Reported To You With Suggested Action Plans in Real Time.

Manage Your Compressed Air System Efficiently and Effortlessly With Our WiseAir Smart Sensors and AI Softwares.

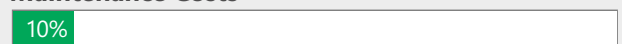
### Energy Costs



### Capital Costs



### Maintenance Costs





## 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  $\pm 2^{\circ}$  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 205	WADS 206
<b>Measuring Range</b>		
Dew Point	-60 ...+60° Ctd	-80 ...+20° Ctd
Temperature	-40...+100° C	
Pressure	0...17 bar (a)	
<b>Dew Point Accuracy</b> (Air & Nitrogen)		
	+20...-60°C	+/- 2° Ctd
	-60...-80°C	+/- 3° Ctd
<b>Temperature Accuracy</b> (Higher Accuracy Can be Provided on Request)		
	+ 0...+50°C	+/- 3°C (Standard)
	-40°C...+ 0°C & +50°C...+100°C	+/- 5°C (Standard)
<b>Pressure Accuracy</b>		
	@ 23° C (Standard)	+/- 3% Full Scale
	Pressure Temperature Dependence	+/- 0.01 bar / 10°C
<b>Response Time</b> 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
<b>Outputs</b>		
Display	Red / Green Display Lights	
Alarm	Buzzer (Optional)	
<b>Power</b>		
Input	220V AC, 10W	
<b>Working Environment</b>		
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)	
<b>Others</b>		
Process Connection	φ6mm Stainless Steel Quick Connector	
Sensor Protection	Stainless Steel Sinter Filter 30-45 Micron	
EMC	According to IEC 61326-1	

## Ordering Codes

- **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 205 - B**  
Dewpoint monitor, -80...+20° Ctd, with Red/Green light and buzzer alarm
- **WADS 205 - C**  
Dewpoint monitor, -80...+20° Ctd, Integrated online Pressure Sensor, Pressure Dewpoint & Atm. Dewpoint, with Red/Green light and buzzer alarm

# Understand Compressed Air System Dynamics with Our Advanced Measurement Solutions

Measure - Manage - Save - Sustain

## Our Network



### ASIA REGIONAL OFFICE

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