

WADS-205 | 206 DEW POINT MONITOR

**WISE AIR 4.0**<sup>®</sup>  
MEASURE TO MANAGE

**2025**

**Smart Measurement Solutions  
for Compressed Air and Gases**

**WISEAIR TECHNOLOGIES INDIA LLP**

[www.wiseair.in](http://www.wiseair.in)



## About Us

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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 22 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, Self Monitoring 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.



### Artificial Intelligence & 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

# INTRODUCING THE **WADS-205 | 206** DEW POINT MONITOR



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.

## Key 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

## Technical Data Sheet

	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 Code

- ▶ **WADS 205**  
Dew point monitor, -60...+60°Ctd
- ▶ **WADS 205 - A**  
Dew point monitor, -60...+60° Ctd, Integrated online Pressure Sensor, Pressure Dew point & Atm. Dew point
- ▶ **WADS 205 - B**  
Dew point monitor, -60...+60° Ctd, with Red/Green light and buzzer alarm
- ▶ **WADS 205 - C**  
Dew point monitor, -60...+60° Ctd, Integrated online Pressure Sensor, Pressure Dew point & Atm. Dewpoint, with Red/Green light and buzzer alarm
- ▶ **WADS 206**  
Dew point monitor, -80...+20°Ctd
- ▶ **WADS 206 - A**  
Dew point monitor, -80...+20° Ctd, Integrated online Pressure Sensor, Pressure Dew point & Atm. Dew point
- ▶ **WADS 206 - B**  
Dew point monitor, -80...+20° Ctd, with Red/Green light and buzzer alarm
- ▶ **WADS 206 - C**  
Dew point monitor, -80...+20° Ctd, Integrated online Pressure Sensor, Pressure Dew point & Atm. Dew point, with Red/Green light and buzzer alarm

## Benefits of Pressure Dew Point Monitor

- ▶ Reduces Operating and Energy Costs
- ▶ Improves Down Stream Filter Life and Performance
- ▶ Increase the life span 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.



For More Info  
**SCAN HERE**



**UNDERSTAND COMPRESSED AIR SYSTEM DYNAMIC  
WITH OUR ADVANCED MEASUREMENT SOLUTIONS**

**MEASURE – MANAGE – SAVE – SUSTAIN**



**WISEAIR TECHNOLOGIES INDIA LLP**

 +91 90477 78715

 [info@wiseair.in](mailto:info@wiseair.in)

 [www.wiseair.in](http://www.wiseair.in)

 Plot No.12, Sri Venkatalakshmi Nagar,  
Singanallur, Coimbatore - 641005. INDIA.

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