WADS-207 | 208 DEW POINT SENSOR

WISE AIR 4.0®

MEASURE TO MANAGE

2025

Smart Measurement Solutions for Compressed Air and Gases

WISEAIR TECHNOLOGIES INDIA LLP

www.wiseair.in

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 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-207 | 208
DEW POINT SENSOR

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

Benefits of Pressure Dew Point Monitoring

- 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.

Technical Data Sheet

	WADS 207	WADS 208
Measuring Range		
Dew Point	-60 ...+60⁰ Ctd	-80 ...+20⁰ Ctd
Temperature	-40...+100⁰ 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%), 20⁰ 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)/Pluse 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 Code

WADS 207 - A

Dew Point Sensor with 1.5" capacitive touch panel Display Measuring Range : -60...+60⁰ Ctd,

WADS 207 - B

Dew Point Sensor with 1.5" capacitive touch panel Display Measuring Range : -60...+60⁰ Ctd, Integrated online Pressure Sensor, Display of both Pressure Dew point & Atm. Dew point

WADS 208 - A

Dew Point Sensor with 1.5" capacitive touch panel Display Measuring Range : -80...+20⁰ Ctd,

WADS 208 - B

Dew Point Sensor with 1.5" capacitive touch panel Display Measuring Range : -80...+20⁰ Ctd, Integrated online Pressure Sensor, Display of both Pressure Dew point & Atm. Dew point

For More Info
SCAN HERE

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