

COMPRESSED AIR ENERGY SAVING SOLUTIONS

WADS - 207 / 208 Dew Point Sensor



MEASUREMENT SOLUTIONS:

- Compressor Master Controllers
- Smart Flow Sensors
- Dew Point Sensors
- Power Meters
- Real Time Smart Monitoring Software

2021 - Release 3 _{Tel. +}

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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.



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 / Al 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.

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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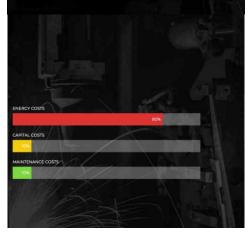


Costs Of Compressed Air

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 Al Softwares.



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Measurements

WADS - 207 / 208 Dew Point Sensor



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.

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 ±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.

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Measurements

WADS - 207 / 208 Dew Point Sensor

Technical Specifications			
	WADS - 207	WADS - 208	
Measuring Range			
Dew Point	-60+60° Ctd	-80+20° Ctd	
Temperature	-40+100° C		
Pressure	017 bar (a)		
Dew Point Accuracy (Air & Nitrogen)			
	-60+60° C	+/- 2° Ctd	
-80+20°C		+/- 3º 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℃	
Response Time			
	-), 20° C, 1bar(gauge), 4L/min	
-50 > + 20° Ctd		20 Secs - 40 Secs	
$+20 > -50^{\circ}$ Ctd		1 Min - 3 Mins	
Pressure Sensor < 1 Sec			
Outputs			
Signals	Digital : RS485 Modbu	0mA (4Wire, Isolated)/Pluse Output 5 Modbus / RTU	
Parameters			
	Pressure, Dew point		
Power			
Input	220V Ac, 10	N	
Working Environment			
Operating Temperature -30+70°C			
Storage Temperature -40+80° C			
Relative Humidity 095 % RH			
Sampling Gas Flow Rate > 1 L/min			
Pressure Rating 017 bar (a)			
Others			
Connectors M12 (5 Pin)			
Sensor Protection Stainless Steel Sinter Filter 30-45 Micron			
EMC According to IEC 61326-1			

Ordering Code		
Part No.	Product Description	
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	

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LOCATIONS OUR Network



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<u>Asia</u>

Regional Head Office WiseAir Technologies India LLP

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Understand Compressed Air System Dynamics With Our Advanced Measurement Solutions Measure - Manage - Save - Sustain

