

COMPRESSED AIR ENERGY SAVING SOLUTIONS

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

WISE  4.0[®]

MEASUREMENT SOLUTIONS:

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

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.

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.



Smart IIoT Sensors

For Measurement of Flow, Power, Dew Point and Pressure



Artificial Intelligence and Machine Learning Softwares

Our Softwares Are Programmed to Analyse and Self Diagnose the Measured Datas



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.

Get in Touch with Our Product Specialists to Understand How Your Factory Can Start Saving in Energy & Costs With Our Smart Solutions..



Call Us

Europe - +45 36 99 04 22

Asia - +91 90477 78715



Email Us

Europe - info@wiseair.eu

Asia - info@wiseair.asia

COMPRESSOR LIFE CYCLE COSTS

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

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.

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.

| Technical Specifications | |
|--|--|
| WADS - 207 | WADS - 208 |
| Measuring Range | |
| Dew Point | -60 ...+60° 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)/Pluse Output Digital : RS485 Modbus / RTU |
| Parameters | Atm.Dew point, Humidity, Temperature, Pressure, Dew point |
| Power | |
| Input | 220V Ac, 10 W |
| 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 | |
|----------------|--|
| 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 |

LOCATIONS **OUR Network**



Europe

Regional Office

WiseAir Technologies Europe ApS

Pilestraede 58, 1112 Copenhagen
Denmark. Ph : +45 36990422
info@wiseair.eu
www.wiseair.eu

Asia

Regional Head Office

WiseAir Technologies India LLP

#12 Sri Venkatalakshmi Nagar
Singanallur, Coimbatore - 641 005. India
Tel. +91 - 090477 78715
Email : info@wiseair.asia
www.wiseair.asia

Contact Us

- 📍 North America : info.usa@wiseair.eu
- 📍 Europe : info@wiseair.eu
- 📍 Middle East : info.uae@wiseair.eu
- 📍 South Asia : info@wiseair.in
- 📍 South East Asia : info@wiseair.asia

**Understand Compressed Air System Dynamics
With Our Advanced Measurement Solutions**

Measure - Manage - Save - Sustain

Your Local **WISE Air 4.0** [®] Representative: