WADS-201 | 202 | 203 | 204 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-201 | 202 | 203 | 204 DEW POINT SENSOR


- For high tech applications with a measurement range of -60°Ctd to +60°Ctd & -80°Ctd to +20°Ctd
- Quick Response Time
- Dual Sensor System for high precision over the whole range.
- Compact size makes them ideal for dryer installations.
- Accuracy ± 2°C IP65 rated
- Strong contamination resistance
- Signal Output: Modbus RTU interface and 4-20mA current / pulse output.
- Modbus output signal are Pressure Dew Point (PDP), Relative Humidity, Temperature and Optional Integrated pressure transducer
- 4-20mA output signal are Pressure Dew Point (PDP)

## Technical Data Sheet

| | WADS 201 | WADS 202 | WADS 203 | WADS 204 |
|---|---|---|---|---|
| Technology | Polymer Capacitive | Polymer Capacitive | Polymer Capacitive | Quartz (AMC) |
| Casing | Aluminum | Stainless Steel | Stainless Steel | Stainless Steel |
| **Dryer Types** - Upto 40 bar (600psi) | | | | |
| Dessicant Dryers | (above -40°C) | (above -50°C) | (above -60°C) | (below -20°C) |
| Membrane Dryers | ✓ | ✓ | ✓ | ✓ |
| Refrigerant Dryers | ✓ | ✓ | ✗ | ✗ |
| **Measuring Ranges** | | | | |
| Dew Point Range (Variants) | A : -60°C to +20°C<br>B : -60°C to +60°C | A : -60°C to +20°C<br>B : -60°C to +60°C | A : -60°C to +20°C<br>B : -60°C to +60°C<br>C : -80°C to +20°C | A : -110°C to +0°C |
| Operating Pressure Range | 0 to 40 bar | 0 to 40 bar or 0 to 16 bar if using the integr ated pressure sensor | | |
| Gas Temperature Range | -40°C to +100°C | | | |
| Accuracy | Dew Point : ± 2 °C<br>Temperature : ±0.5°C | Dew Point : ± 2 °C<br>Temperature : ±0.5°C | Dew Point : ± 2 °C<br>Temperature : ±0.5°C<br>Pressure: ±0.3% full scale (at 23°C), ±0.01 bar/10°C | Dew Point : ± 2 °C<br>Temperature : ±0.5°C<br>Pressure: ±0.3% full scale (at 23°C), ±0.01 bar/10°C |
| Minimum Gas Flow Rate | > 1 L / min | > 1 L / min | > 1 L / min | > 1 L / min |
| **Output Signals** | | | | |
| Pressure Dew Point (PDP) | ✓ | ✓ | ✓ | ✓ |
| Gas Temperature | ✓ | ✓ | ✓ | ✓ |
| Relative Humidity | ✓ | ✓ | ✓ | ✓ |
| Pressure Transducer | ✗ | Optional | Optional | Optional |
| Analogue Output (4..20 mA) | PDP Only | PDP Only | PDP Only | PDP Only |
| Digital Output (Modbus) | (PDP, Temp, RH, Pressure) | (PDP, Temp, RH, Pressure) | (PDP, Temp, RH, Pressure) | (PDP, Temp, RH, Pressure) |
| **Others** | | | | |
| Connectors | 5 Pin M8 | 5 Pin M12 | | |

## Ordering Code

- **WADS 201 - A**

  -60° ctd to +20° ctd. Its proven polymer film technology provides strong contamination resistance. Suitable for refrigerant Dryers. (Compact Design)

- **WADS 201 - B**

  -60° ctd to +60° ctd. Its proven polymer filmt echnology provides strong contamination resistance. Suitable for refrigerant Dryers. (Compact Design)

- **WADS 202- A**

  -60° ctd to +20° ctd. Its proven polymer film technology provides strong contamination resistance. Suitable for refrigerant Dryers.

- **WADS 202 - B**

  -60° ctd to +60° ctd. Its proven polymer film technology provides strong contamination resistance. Suitable for refrigerant Dryers.

- **WADS 203 - A**

  -60°C to +20°C. This new generation polymer dew point sensor has auto drift correction (ADC) technology which ensures industry leading accuracy and consistency of readings.

- **WADS 203 - B**

  -60°C to +60°C. This new generation polymer dew point sensor has auto drift correction (ADC) technology which ensures industry leading accuracy and consistency of readings.

- **WADS 203 - C**

  -80°C to +20°C. This new generation polymer dew point sensor has auto drift correction (ADC) technology which ensures industry leading accuracy and consistency of readings.

- **WADS 204 - A**

  -110°C to +0°C. The most advanced quartz technology dew point sensor available. Newly developed moisture sensitive materials provide superior signal sensitivity under ultra-low humidity conditions.

For More Info
**SCAN HERE**

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

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