



Benefits

- Ease of Mounting of Sensor Head Into Coal Handling Equipment
- Eliminates the Need for Sampling System
- Direct to Atmosphere Monitoring for Real Time Readings
- Dust and Water Guard Protects Sensor Head From Premature Failure
- Auxiliary Gas Line Provides a Means to Deliver Compressed Air or Target Gas to Bump Test Sensor Without Sensor Removal
- Remote Mounting of Display Transmitter in Personnel Accessible Area

Conspec Controls' CDMA Sensor Insertion Assembly is an effective solution for applications that require the sensor head to be mounted directly into duct work or coal processing equipment. The assembly's design allows for direct insertion to the monitored atmosphere which results in immediate real time readings. The transmitter can be placed up to 100 feet away from the sensor head in a location that is more accessible to personnel. The dust/water guard prevents the sensor head from being directly exposed to particulates and moisture, thus prolonging the sensor's life. The auxiliary gas line provides a means to deliver a blast of compressed air to the sensor head to remove settled dust or supply a concentration of the target gas to verify the sensor's response. The explosion proof junction box retains the system rating while providing a functional termination connection.

Applications

- Coal Processing Equipment
- Factories/Warehouses
- Boiler/Generating Rooms
- Water Treatment Plants
- Waste Water Treatment Plants
- Chemical Processing Plants
- Bus Terminals & Depots
- Pulp & Paper Mills
- Pharmaceutical Labs
- Telecommunication Stations
- Semiconductor Facilities
- Utility Plants
- Research/Development Labs

Key Features

- **Dust/Water Guard**
- **Integrated Auxiliary Gas Line**
- **Explosion Proof Junction Box**
- **Universal Flat or Radius Mount Plate**

Specifications

Mechanical

Available Options

- P2580-7 Dust/Water Guard for Two Piece Sensor Housing
- P2580-8 Dust/Water Guard for Single Piece Sensor Housing
- CDMA-R Radius Mounting Plate

Enclosure: NEMA 7 Explosion Proof Junction Box (UL & CSA Approved) (CL I Div 1 and 2, Grps B,C,D),(CL II, Div 1 and 2, Grps E,F,G), (CL III) NEMA 3, 4

Dimensions: 18" Long

Weight: Approximately 7 Pounds

Mounting: Flat or Radius Mounting Plate

Conduit Entries: ¾" NPT

Environmental

Operating Temperature: 32°F to 104°F (0°C to 40°C) For Most Sensors

Operating Humidity: 0% to 99% RH Non-Condensing

Electrical

Connection: Three Position Terminal Strip w/ Spade Connectors

Max Remote Distance: 100 Ft with Standard Voltage Output, Further with Optional Current Converter

Wiring: Sensor-to-Junction Box Wiring is Factory Provided

Sales Representatives & Distributors



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