

IsoAir[®] 310P

Aerosol Particle Sensor



The IsoAir 310P Aerosol Particle Sensor makes it easy to monitor air in remote locations or in areas with process restraints. Real-time particle monitoring gives quick notification of particle anomalies, detecting 0.5 and 5.0 μm for GMP and FDA compliance.

A central vacuum is not needed to operate the particle sensor. It features a built-in “low noise” blower with HEPA filtered exhaust. It has unparalleled performance in a chemical-resistant and easy-to-disinfect 316L external enclosure, and the passivated stainless steel surface has well-defined microbial control characteristics. The clean, reliable internal pump lowers installation costs and the need for costly vacuum system connections.

The instrument is available with a wide range of communications protocols such as Ethernet, Modbus, Wifi, and analog 4-20 mA for full compatibility with the existing monitoring system.

BENEFITS

Ensure compliance

- Real-time particle monitoring gives quick notification of particle anomalies
- Queues 3,000 samples in the event of computer system failure
- Detects 0.5 and 5.0 μm for GMP and FDA compliance
- Ethernet, Modbus and 4-20 mA outputs meet 21 CFR Part 11 regulations for data transmission security
- Identifies breakdown in isolator protection

Increase productivity

- Interfaces with optional FacilityPro[®], Pharmaceutical Net or Facility Net software for comprehensive management of the cleanroom
- Automatic paging allows rapid response to alarms
- Optional 4-20 mA inputs allow for integration of up to three environmental input sensors
- Easy to remove sensor simplifies calibration and service
- Validation documentation available

Cost-Effective

- Complete monitor is easy to install
- No central vacuum system needed
- Rugged, chemically-resistant, easy-to-disinfect enclosure
- Passivated stainless steel surface has well-defined microbial control characteristics
- Diode laser reduces maintenance requirements

FEATURES

- Four standard channel sizes with 2-channel Pharmaceutical mode
- Flow rate of 1.0 CFM
- Passivated 316L stainless steel enclosure
- Pump with HEPA filtered exhaust
- Automatic shut-off for capped probe
- Compliance with ISO 21501-4 and CE standards
- Two local LEDs for status and activity
- Ethernet or Modbus communications

APPLICATIONS

- Pharmaceutical manufacturing area
- Isolator monitoring
- Cleanroom monitoring
- Aerospace and industrial applications
- Trend analysis
- Statistical process control

