

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 protocol such as Ethernet, Modbus, Wifi, and analog 4-20 mA for full compatibility with the existing monitoring system.



Without measurement there is no control

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

