

## IsoAir™

### Aerosol Particle Sensor

IsoAir sensors from Particle Measuring Systems make aerosol monitoring trouble free and cost effective. These compact, simple to install sensors provide unparalleled performance in a chemically resistant, easy to disinfect, stainless steel box.

#### BENEFITS

##### Ensure Compliance

- Real-time particle monitoring
- 0.5 and 5.0  $\mu\text{m}$  channels for GMP compliance
- Proven technology provides reliable and accurate data
- Identify breakdowns in critical zone protection

##### Increase Productivity

- Low cost solution for multi-location monitoring
- Alarm paging system allows immediate response to particle events
- Interfaces with optional Pharmaceutical Net or Facility Net software for comprehensive management of cleanroom conditions
- Validation documentation available

##### Cost Effective

- Compact, complete monitor is easy to install, even within isolators
- May extend your cleanroom classification period from 12 to 24 months
- Stainless steel isokinetic sample probe and cap are easy to clean/wipe down
- Passivated, stainless steel surface has well-defined microbial control characteristics
- Rugged, chemical resistant, easy to disinfect enclosure
- Diode laser reduces maintenance requirements
- Special XR coating option protects sensor against corrosive or oxidizing vapors



#### FEATURES

- Compact stainless steel enclosure
- Uses external vacuum source
- Sizing sensibilities ranging from 0.2-5.0  $\mu\text{m}$
- Sample flow rates of 1.0 or 0.1 CFM
- Compliant with JIS accuracy standards
- Status indicators; versatile mounting options
- Ethernet and/or 4-20 mA output
- Controlled by Pharmaceutical Net or Facility Net

#### APPLICATIONS

- Cleanroom monitoring
- Aerospace and industrial applications
- Trend analysis
- Statistical process control
- Isolator monitoring
- Monitoring in VHP-sterilized rooms

Without measurement, there is no control.



**PARTICLE  
MEASURING  
SYSTEMS**  
[www.pmeasuring.com](http://www.pmeasuring.com)

## IsoAir

<b>Airnet® sensor:</b>	201, 301, 310, 501, 510, or 510XR
<b>Size classes (µm):</b>	0.2, 0.3, 0.5, 1.0, 5.0 (determined by the Airnet version selected)
<b>Flow rate:</b>	1.0 CFM (28.0 LPM) or 0.1 CFM (2.8 LPM) (determined by the Airnet version selected)
<b>Vacuum source:</b>	External vacuum >11" Hg (for Airnet 510; see Airnet spec sheet for other versions).
<b>Calibration:</b>	Calibration materials are traceable to the USA National Institute for Standards and Technology (NIST).
<b>Sensor performance:</b>	See Airnet specification sheet for information on counting efficiency, zero count level, maximum concentration, etc.
<b>Exterior surface:</b>	Passivated stainless steel (Grade 316L)
<b>Internal protection:</b>	KYDEX® casing for Airnet sensor
<b>Communications:</b>	Ethernet (data, instructions) RS-232 (set up and diagnostics only) 4-20 mA (outputs three channels: two particle data, one instrument status)
<b>Controlling software:</b>	Pharmaceutical Net, Facility Net (must purchase separately)
<b>Status indicators:</b>	Ethernet                      Programmable:              Two color LED Activity:                      One color LED 4-20 mA Interface      Laser and flow status: Two color LED Activity:                      One color LED
<b>Dimensions* (l, w, h):</b>	8" x 4.75" x 6" (20 x 12 x 16 cm)
<b>Weight*:</b>	6.5 lb. (3 kg)
<b>Power:</b>	24 volts DC or Universal power supply: 85-264 VAC 50/60 Hz
<b>Environment:</b>	Temperature: 4-35° C; Humidity: Non-condensing

\* Weight and size will increase if Airnet 310 or 201 is used.  
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Airnet® is a registered trademark of Particle Measuring Systems, Inc.  
IsoAir™ is a trademark of Particle Measuring Systems, Inc.  
Particle Measuring Systems, Inc. reserves the right to change specifications without notice.

### AUTHORIZED REPRESENTATIVE



Registration applies to the Boulder, Colorado facility



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