ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Particle Measuring Systems Airnet 310* at our website: *Click HERE*

Airnet®

Aerosol Particle Sensors

Airnet sensors from Particle Measuring Systems make it easy and cost-effective to simultaneously monitor aerosols from multiple locations. These aerosol particle sensors offer a small footprint, unparalleled performance and superior data transmission capabilities.



BENEFITS

Reduce Defects

- Real-time monitoring of defect-causing particles
- Proven technology provides reliable and accurate data
- Users can react immediately to particle contamination events

Increase Productivity

- Low-cost solution for multipoint monitoring
- Interfaces with Facility Net or Pharmaceutical Net software for comprehensive management of cleanroom conditions
- System validation documentation available

Cost-Effective

- Small footprint and flexible mounting options make it easy to install in cleanrooms and minienvironments
- Easy to clean/wipe down; designed to minimize particle traps
- Rugged, chemical-resistant, ESD-compatible KYDEX® casing
- Diode laser reduces maintenance
- Optional XR coating protects sensor against corrosive or oxidizing vapors

FEATURES

- Compact
- Sizing sensibilities from 0.2-5.0 microns
- Sample flow rates of 0.1 and 1.0 CFM
- Compliant with JIS accuracy standards
- Status indicators
- Smooth, durable exterior surface
- Ethernet or 4-20 mA output
- Controlled by data acquisition or monitoring control software
- XR option: specially coated sample pathway

APPLICATIONS

- Cleanroom monitoring
- Dedicated monitoring of critical locations
- Trend analysis
- Statistical process control
- Multi-location monitoring

Without measurement, there is no control.

PARTICLE MEASURING SYSTEMS
www.pmeasuring.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Specifications

Airnet	201	301	501	310	510 or 510XR
Size range (µm):	0.2, 0.3, 0.5, 1.0	0.3, 0.5	0.5, 5.0	0.3, 0.5, 1.0, 5.0	0.5, 5.0
Flow rate:	0.1 CFM (2.8 LPM)	0.1 CFM (2.8 LPM)	0.1 CFM (2.8 LPM)	1.0 CFM (28 LPM)	1.0 CFM (28 LPM)
Counting efficiency*:	50% ±10% at 0.20 µm	50% ±10% at 0.30 µm	50% ±10% at 0.50 µm	50% ±10% at 0.30 µm	50% ±10% at 0.50 µm
Zero count level:	ISO Class 3	ISO Class 4	ISO Class 5	ISO Class 3	ISO Class 4
Maximum concentration:**	500,000/ft³	250,000/ft³	250,000/ft³	50,000/ft³	600,000/ft³
Exterior surface:	KYDEX				
Dimensions (l, w, h):	7 x 5 x 5 in 17 x 12 x 14 cm	5 x 4 x 4 in 14 x 10 x 9 cm	5 x 4 x 4 in 14 x 10 x 9 cm	7 x 5 x 5 in 17 x 12 x 14 cm	5 x 4 x 4 in 14 x 10 x 9 cm
Weight:	5 lbs (2.3 kg)	1.6 lbs (.73 kg)	1.6 lbs (.73 kg)	5 lbs (2.3 kg)	1.6 lbs (.73 kg)
Flow system:	External vacuum				
Vacuum source:	>15 in. Hg	>15 in. Hg	>15 in. Hg	>8 in. Hg	>11 in. Hg
Power:	24 volts DC				
Communications:	Ethernet connector 4-20 mA connector (three output channels: two particle data, one instrument status) RS-232 (set up and diagnostic tool only, no data)				
Status indicators:	Facility Net Interface: Programmable status: Two color LED Activity: One color LED				
	4-20 mA Interface: Laser and flow status: Two color LED Activity: One color LED				
Calibration:	Calibration materials used are traceable to the USA National Institute for Standards and Technology (NIST).				
Environment:	Temperature: 4-35° C Humidity: Non-condensing				

* Allow ±5% variations in sample flow
** Greater than 95% accuracy (less than 5% coincidence loss) at maximum recommendation ambient concentration.
KYDEX® is a registered trademark of the Kleerdex Company
Airnet® is a registered trademark of Particle Measuring Systems, Inc.
Particle Measuring Systems, Inc. reserves the right to change specifications without notice.

AUTHORIZED REPRESENTATIVE

CE

ISO 9001:2000
FM 40574

Registration applies to the Boulder, Colorado facility

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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