

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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Visit our website - *Click HERE*

CI-3100 OPT Series
Remote Particle Counters
Internal Vacuum Pump
1 CFM Continuous Monitoring

When Accuracy Matters! ™



- For Continuous Monitoring and Systems Integration
- High Accuracy & Assurance
- Stainless Steel Enclosure
- VHP Compatible
- HEPA Filtered Exhaust On Most Models
- Easy To Install, Operate and Validate
- Automatic Flow Control
- Remotely Controlled and Monitored
- Connects to existing network infrastructure and a variety of data logging or standard environmental monitoring systems including LIMS Software.

ISO 21501-4
ISO 14644-1
EU GMP, Annex 1
FS-209E
JIS 9921
21 CFR Part 11

Unsurpassed ease of use and reliability. The **CI-3100 OPT Series** is designed for continuous monitoring, and offers users a choice of standard data interface options including Ethernet Modbus and 4-20 mA outputs.

Reliability, Accuracy & Support

The **CI-3100 Series** of particle counters are engineered and manufactured with only the highest quality materials. This ensures a long product life-cycle, and up to decades of reliable use. Moreover, we provide calibration support services for all our instruments over their lifetime. We have built our reputation by providing highly accurate instruments that stand the test of time. Climet internal audits confirm that units returned for calibration have an "In Tolerance" rate of more than 98%. This study includes some units that have been manufactured more than 20 years ago. Simply, Climet particle counters are designed, tested, and calibrated with very tight tolerances to exceed industry standards. Years of count efficiency testing has demonstrated that a properly calibrated Climet particle counter produces good count efficiency even after more than a decade of field operation!

Return On Investment

Not all particle counters are equal. The initial purchase price, cost of calibrations, cost of consumables, out of warranty repairs, and product life-cycle all factor into calculating the Return on Investment. Other intrinsic factors include assurance, reliability, accuracy, application support, and superior customer service. These make Climet the unsurpassed leader in the manufacture of particle counters for cleanroom monitoring, validation, and certification.

Custom Engineered Solutions

If you have a specific technical requirement, please contact us. We specialize in customizing our products to fit your needs.

Applications Include:

Cleanroom Monitoring & Validation
Medical Device Manufacturing
Pharmaceutical Manufacturing
Hospitals
Food & Beverage Processing
Aerospace Assembly
Pharmaceutical Compounding
Cosmetic Manufacturing

CLiMET® INSTRUMENTS COMPANY

CI-3100 OPT Series Specifications

Performance	Flow Rate Control: **Electronic, automatic closed loop** Particle Channel Sizes: ***0.3, 0.5, or 5.0 microns on 2-channels (please contact us for other size requirements)*** Concentration Limit: **0.1 CFM: 10.0 x 10^6 particles per cubic foot (353 x 10^6 particles per cubic meter) @ 10% coincidence** **1.0 CFM: 1.0 x 10^6 particles per cubic foot (35.3 x 10^6 particles per cubic meter) @ 10% coincidence** Resolution: **Exceeds requirements of ISO 21501-4 of 15% (4-10% typical)** Count Efficiency: **50% Count Efficiency exceeds ISO 21501-4 of ±20% (≤±10% typical)** **100% Count Efficiency @ ±10% per ISO 21501-4** Max. False Count: **1.00 CFM: 7.1 / CM (95% UCL) per ISO 21501-4** **0.10 CFM: 71 / CM (95% UCL) per ISO 21501-4** Optics: **Rhodium plated metal ellipsoidal mirror (extreme durability and resistant to contamination)** Laser Diode: **Optimal balance of long life, stability and resolution for added accuracy.** Cleaning: **Compatible with common cleaning and sterilization procedures, including VHP** Vacuum Source: **Power efficient internal vacuum source**
Accessories Included	Zero count filter, IQ/OQ Docs, manual, and external exhaust fitting (on select models)
Other Accessories Available	Stainless steel isokinetic probes, tubing, probe stands, high pressure diffusers, software, validation documentation, customized cabling, and other accessories sold separately.
LED Status Indicators	Power, Alarm, Count, Laser Status, and Flow Status
Environmental	**Operating temperature:** 0-36° C, 32-97° F **Dimensions:** 6" (W) x 4" (H) x 11.5" (D) (15.24 cm x 10.16 cm x 29.21 cm) 0-90% relative humidity, non-condensing
Compliance	ISO 21501-4; ISO 14644-1; EU GMP, Annex 1; FS-209E; JIS 9921; and FDA 21 CFR Part 11 with software

CI-3100 - _____ - _____ - _____ - _____ - OPT

Interface Voltage Size Sensitivity Flow Rate

INTERFACE OPTIONS

12* = 4-20 mA Signal Output Stainless Steel Case
14* = Device Net Interface
21* = Ethernet Modbus w/ Built-in Webpages Viewed via Web Browser
22* = RS-485 Modbus

VOLTAGE OPTIONS

0 = External Power, 24 VDC
1 = 115 VAC USA
2 = 230 VAC EURO
3 = 230 VAC UK
8 = 230 VAC EURO, Remote power option and flow rate output

SIZE SENSITIVITY OPTIONS

4* = 0.5 / 5.0 µm
6 = 0.3 / 0.5 µm

FLOW RATE OPTIONS

2 = 0.10 CFM
4* = 1.00 CFM
6* = 1.00 CFM with External Exhaust
7 = 0.10 CFM with External Exhaust

*** = most popular versions.**

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International Organization for Standardization ISO 9001

CLIMET® INSTRUMENTS COMPANY

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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