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CLIMET CI-570 NextGen™
Portable Airborne Particle Counter

SPECIFICATIONS

Channel sizes:	0.3, 0.5, 1, 3, 5 and 10 µm.
Flow Rate:	50 LPM.
Sample Volume Control:	Flow Control and internal mass flow meterFlow Rate tolerance of ± 5%. **Sample Volume is user-adjustable in cubic meters, cubic feet, or liters.**
Size calibration:	< ±10% with internal pulse height analyzer (PHA) in compliance with ISO 21501-4.
Size resolution:	±4% to ±10% typical. Substantially exceeding ISO 21501-4 of < ±15%.
Count Efficiency:	50% Count Efficiency (a measure of accuracy): <±10% to Climet standards.
False Count Rate:	Equal to or better than ISO 21501-4 specifications.
Exhaust:	HEPA filtered exhaust uniquely factory tested to ensure no leaks and certified to ISO Class 3 emissions.
Sanitation:	Compatible with all standard cleanroom sanitation and sterilization procedures, including Vaporized Hydrogen Peroxide (VHP).
Data Interface Options:	**OUTPUT**: RS-232, Wired Ethernet, Wi-Fi, and USB, **INPUT**: RH/Temp Port (RH/Temp probe sold separately).
Laser and Collection Optics:	Patented metal ellipsoidal mirror uniquely minimizes particle shape (morphology) on sizing. No plastic.
Enclosure:	Stainless steel enclosure is impact resistant and easily cleaned and sanitized.
Display:	Industry's first color capacitive touch screen similar. Allows user to pinch-to-zoom and swipe.
Alarms:	Triggers at (i) Counts (User defined "Alert" and "Action" levels), (ii) Laser Status, and (iii) Flow Rate Deviation.
Light Ring:	Enable/disable, 5-colors, patters, etc.
Programmable:	Five Security Levels, 300 Programs, 300 User ID's plus administrator with password security, 300 location IDs, and more than 1,000,000 samples. All models uniquely come standard with Unit-to-Unit cloning.
Printer:	Fully integrated thermal printer.
Battery/Electrical:	5 hours. **Continuous** at 100% duty cycle w/ Zero Count Filter Installed.
Dimensions & Weight:	8.38" x 7.4" x 9.48" = 587.9 cubic inches. **Smallest portable on the market!** 9.4 Lbs. with battery & 8.4 Lbs. w/o battery. **The lightest industrial / pharmaceutical grade portable particle counter!**
Environmental:	Temperature: 0-36˚C (32-97˚F). Humidity: 10-90% relative humidity, non-condensing.
Included accessories:	Internal thermal printer, internal battery charger, battery, stainless steel or light blocker isokinetic probe, sample tubing, zero count filter, two rolls of thermal paper, cloning cable, IQ/OQ documentation, manual, external exhaust fitting (as appropriate), and USB flash drive.

The CI-x70 NextGen Series are pharmaceutical industrial grade 6-channel portable particle counters that come in your choice of 1 CFM, 50 LPM, 75 LPM or 100 LPM flow rates. Each model comes standard with an RS-232 serial interface, Ethernet TCP/IP, and USB.