

# CLIMET CI-170 NextGen™

## Portable Airborne Particle Counter

### SPECIFICATIONS

<b>Channel sizes:</b>	0.3, 0.5, 1, 3, 5 and 10 µm.
<b>Flow Rate:</b>	1.0 CFM.
<b>Sample Volume Control:</b>	Flow Control and internal mass flow meter Flow Rate tolerance of ± 5%. <b>Sample Volume is user-adjustable in cubic meters, cubic feet, or liters.</b>
<b>Size resolution:</b>	±4% to ±10% typical. <b>Substantially exceeding ISO 21501-4 of &lt; ±15%.</b>
<b>Count Efficiency:</b>	50% Count Efficiency (a measure of accuracy): < ±10% to Climet standards.
<b>False Count Rate:</b>	Equal to or better than ISO 21501-4 specifications.
<b>Exhaust:</b>	HEPA filtered exhaust to ensure no leaks and certified to ISO Class 3 emissions.
<b>Sanitation:</b>	Compatible with all standard cleanroom sanitation and sterilization procedures, including Vaporized Hydrogen Peroxide (VHP).
<b>Data Interface Options:</b>	<b>OUTPUT:</b> RS-232, Wired Ethernet, Wi-Fi, and USB, <b>INPUT:</b> RH/Temp Port (RH/Temp probe sold separately).
<b>Laser and Collection Optics:</b>	Patented metal ellipsoidal mirror uniquely minimizes particle shape (morphology) on sizing. No plastic.
<b>Enclosure:</b>	Stainless steel enclosure is impact resistant and easily cleaned and sanitized.
<b>Display:</b>	Industry's first color capacitive touch screen similar. Allows user to pinch-to-zoom and swipe.
<b>Alarms:</b>	Triggers at (i) Counts (User defined "Alert" and "Action" levels), (ii) Laser Status, and (iii) Flow Rate Deviation.
<b>Light Ring:</b>	Enable/disable, 5-colors, patters, etc.
<b>Programmable:</b>	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.
<b>Printer:</b>	Fully integrated thermal printer.
<b>Battery/Electrical:</b>	6 hours. <b>Continuous</b> at 100% duty cycle w/ Zero Count Filter Installed.
<b>Dimensions &amp; Weight:</b>	8.38" x 7.4" x 9.48" = 587.9 cubic inches. <b>Smallest portable on the market!</b> 9.4 Lbs. with battery & 8.4 Lbs. w/o battery. <b>The lightest pharmaceutical grade portable particle counter!</b>
<b>Environmental:</b>	Temperature: 0-36°C (32-97°F). Humidity: 10-90% relative humidity, non-condensing.
<b>Included accessories:</b>	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.