

CLiMET® CI-150t **Portable Particle Counter**



CLiMET's CI-150t

Lightest and most user friendly !

CLiMET's CI-150t is your best choice when Buying a 1CFM particle counter to monitor and validate a clean room environment. The CI-150t is lightweight, portable and intuitive. The CI-150t provides an ease of use previously not available with particle counters. It's simplicity significantly reduces training time for new operators.

CLiMET's CI-150t will perform either Fed. Std. 209E, ISO 14644, or GMP calculations on acquired data then provides a "pass/fail" report. With the color display, thermal printer and RS-232 connections, you are able to receive visual, hard copy and digital verification of your clean room environment.

The CI-150t improves upon the Climet tradition of designing particle counters that test your clean room, not your operators.

Please call, FAX, e-mail or visit our website to arrange for a free demonstration.

CLiMET Instruments Company 1320 West Colton Ave., Redlands, CA 92374 U.S.A.

T: (909) 793-2788 F: (909) 793-1738 E-mail: sales@climet.com Web site: www.climet.com

KEY FEATURES

- Longer Battery Life
- Bright and Beautiful TFT Display
- Stainless Steel and Lightweight
- External Horn with Volume Adjustment

TOUCHSCREEN INTERFACE

- Graphical User Interface
- Quick and Simple Setup
- Simple Adjustments
- Easier to input settings
- Simpler Navigation

COLOR DISPLAY

- Bright and Beautiful
- Easy to Read
- Reduces input Errors

STAINLESS STEEL ENCLOSURE

- Rugged
- Stands up to Daily Cleaning
- Reduces chance of ESD

KEY BENEFITS

- Easy to Learn
- Easy to Use
- Easy to Carry
- Samples Longer on a Single Charge

CLiMET is Particle Counting

MODEL CI-150t SPECIFICATIONS

SIZE SENSITIVITY:	0.30 μm
PARTICLE CHANNEL SIZES:	Four sizes: 0.3, 0.5, 1.0, and 5.0 μm
SIZE RESOLUTION:	0.03 μm @ 0.33 μm (Ellipsoidal Mirror Collection System)
CONCENTRATION LIMIT:	10^6 Particles/ ft^3 @ 10%, 5×10^5 / ft^3 @ 5%
SAMPLE FLOW RATE:	1.0 CFM (28.3 Liters per minute)
FLOW RATE CONTROL:	Electronic, automatic closed loop. (Patented DC Blower System)
SAMPLE TUBE EXTENSION:	3/8" (9.525 mm) I.D., up to 20 ft. (6.1 meters) max. length
ZERO COUNT:	< 1 count per 5 minutes, as per JIS 9971
BATTERY:	Replaceable 9.6 Volts, 12.6 Amp hour Nickel Metal Hydride Battery operation time: 5 to 6 hours of continuous operation Time to charge battery: 3.0 to 3.5 hours
DISPLAY:	Color TFT, 1/4 VGA touch screen
PRINTER:	Thermal Dot Matrix
MEMORY:	3,000 samples: Date, Time, 4 Particle Channels, Analog Channels, Flow, ID, Sample Volume. Transferable to PC via RS-232 serial port.
UNIT ID	User selectable
USER ID	Up to 20 users with password authentication
SECURITY	Four security levels with user authentication
LOCATION ID:	Up to 100 per program; 16 characters long.
PROGRAM:	Up to 30 user-defined and named, containing ID's and settings.
REPORTS	All data, Alarm data, Average data, FS-209E, ISO 14644, GMP Reports include Unit and User ID's
DATA INPUT/OUTPUT:	RS-232
BEEP ON COUNT:	0.3 μm and greater.
AUDIBLE ALARM:	Built-in
ALARM LIMITS:	Programmable for all particle channels, Analog inputs, and flow.
DIMENSIONS:	H-W-D: 8.65 X 8.5 X 9.5 inches (22 X 21.6 X 24.1 cm)
WEIGHT:	11.0 lb (4.99 Kg) without battery 14.25 lb (6.46 Kg) with battery
POWER:	Auto switching: 85–260 VAC, 50/60 Hz
FUSES:	two 5 X 20 mm, T 250C/1.0 Amp
OPERATING RANGE:	0–36° C, 10–90% RH, non-condensing
CALIBRATION:	Factory Prime Calibration with monodisperse polystyrene latex spheres traceable to NIST.
CALIBRATION FREQUENCY:	Recommended every 12 months.
GAS COMPATIBILITY:	Air, nitrogen; consult factory regarding other gases.

Note: Technical specifications and appearance are subject to change without notice.



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