

# CLiMET® CI-750t Portable Particle Counter



## **CLiMET CI-750t**

### **The Best is now the Fastest!**

The CI-750t is your best choice when buying a particle counter to monitor and validate your pharmaceutical clean room environment. The CI-750t is pleasantly lightweight and portable, weighing only 14.25 lbs with battery. The CI-750t samples 75 Liters per minute sampling (2.65 CFM) this means a FULL 1 cubic meter sample takes only 13.3 minutes (@ 75 LPM) instead of 35.3 minutes @ 1 CFM.

CLiMET's CI-750t will perform either EU GMP, ISO 14644, or Fed. Std. 209E calculations on acquired data then provides a printed "PASS/FAIL" report. With the color display and thermal printer you receive visual and hard copy verification of your clean room environment.

The CI-750t 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](mailto:sales@climet.com) Web site: [www.climet.com](http://www.climet.com)

## **NEW FEATURES**

- Bright Beautiful TFT Display
- Automatic Flow Control
- Louder Horn, with volume adjustment

## **KEY FEATURES**

- 75LPM Sampling
- Unmatched Ease of Use
- Stainless Steel Enclosure

## **KEY BENEFITS**

- Easy to Learn
- Easy to Use
- Easy to Carry
- Filtered Exhaust

## **21CFR11**

- Unit ID
- 20 User ID
- User Authentication
- Password Authentication
- When secure software is purchased for audit trail, fully meets 21 CFR Part 11 Regulations

# CLiMET is Particle Counting

## MODEL CI-750t SPECIFICATIONS

SIZE SENSITIVITY:	0.30 $\mu\text{m}$
PARTICLE CHANNEL SIZES:	Four sizes: 0.3, 0.5, 1.0, 5.0 $\mu\text{m}$
SIZE RESOLUTION:	0.03 $\mu\text{m}$ @ 0.33 $\mu\text{m}$ (Ellipsoidal Mirror Collection System)
CONCENTRATION LIMIT:	20,000 particles per liter (20 x 10 <sup>6</sup> particles per cubic meter) (10% coincidence)
SAMPLE FLOW RATE:	75 Liters per minute (2.65 cubic feet 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: 3.5 to 4.5 hours of continuous operation Time to charge battery: 3.0 to 3.5 hours
DISPLAY:	TFT Color LCD, 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, besides supervisor, 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 $\mu\text{m}$ 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 (21.97 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: 100–240 VAC, 47/63 Hz
FUSES:	two 5 X 20 mm, 250V/2.0 Amp slow
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 COMPATABILITY:	Air, nitrogen; consult factory regarding other gases.

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



### **CLiMET Instruments Company**

1320 W. Colton Ave., Redlands, CA 92374 U.S.A.

T: (909) 793-2788 F: (909) 793-1738

E-mail: [sales@climet.com](mailto:sales@climet.com) Web: [www.climet.com](http://www.climet.com)