

# CI-1054



**100 LPM**  
Portable Airborne Particle  
Counter with USB Port.

Meets or Exceeds  
ISO 21501-4

CLiMET continues to improve upon our most popular particle counters:

- USB port for data transfer
- Powered RS-232 to attach and operate a barcode scanner

While maintaining our best of class features:

- Unsurpassed ease of use
- Filtered External Exhaust
- Seamless stainless steel enclosure, lightweight and small footprint
- 2 year warranty
- Long battery operation time
- Ethernet Modbus TCP/IP communications
- Built-in printer

Similar models are also available: CI-154 (1 CFM), CI-454 (50 LPM) and CI-754 (75 LPM) flow rates.

# CLiMET®

**CLiMET INSTRUMENTS COMPANY**

1320 West Colton Avenue  
Redlands, California 92374

Tel: (909) 793-2788 • Fax: (909) 793-1738

Email: [sales@climet.com](mailto:sales@climet.com) • [www.climet.com](http://www.climet.com)

Please Contact CLiMET To Arrange For A FREE  
Demonstration And Product Information.

# CI-1054 SPECIFICATIONS

Particle channel sizes:	Four sizes: 0.5, 1.0, 3.0, 5.0 micron
Size resolution:	Exceeds requirements of ISO 21501-4
Concentration limit:	10,000 particles per liter (10 x 10 <sup>6</sup> particles per cubic meter) (10% coincidence)
Sample flow rate:	100 liters per minute (0.10 cubic meter or 3.53 cubic feet per minute)
Flow rate control:	Electronic, automatic closed loop
Sample tube extension:	1/2" (12.7 mm) I.D., 6.5 ft. (2.0 meters) max. length
Max. False Count Rate:	2.0 per CM >0.5 µm (95% UCL) per ISO 21501-4 (1 count per five minutes)
Battery:	Replaceable 9.6 Volts, 12.6 Amp hour Nickel Metal Hydride Battery operation time: 3.0 to 4.0 hours continuous operation Time to charge battery: 3.5 to 4.0 hours (built-in charger)
Display:	TFT Color LCD, ¼ VGA touch screen
Printer:	Thermal Dot Matrix
Memory:	3,000 samples: Date, Time, 4 Particle Channels, Flow, ID, Sample Volume, transferable to PC via RS 232 serial port, Ethernet or USB jump drive.
Unit ID:	User selectable
User ID:	Up to 20 users, besides supervisor, with password
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 IDs and settings.
Input/Output (RS-232):	ASCII command set, CSV data output with check code
Input/Output (Ethernet)	10/100Base-T, half or full duplex (auto sensing), http web server, Ethernet Modbus® sever and TELNET server
Input/Output (USB)	Transfer of stored data memory to jump drive Transfer of user-defined programs to/from jump drive
Beep On Count:	0.5 µm and greater.
Audible alarm:	Built-in
Alarm output:	Dry contacts, normally open or closed via alarm connector. Connector also has +12VDC @ 250mA.
Alarm limits:	Programmable for all particle channels 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, 90VA max
Operating range:	0–36° C, 10–90% RH, non-condensing
Calibration:	Factory Prime Calibration complying with ISO 21501-4. NIST traceable using CalPro 2.00 (or later) software program.
Calibration frequency:	Recommended every 12 months.
Gas compatibility:	Air, nitrogen; consult factory regarding other gases.



1320 West Colton Avenue • Redlands, California 92374  
Telephone: (909) 793-2788 • Facsimile: (909) 793-1738  
Email: [sales@climet.com](mailto:sales@climet.com) • [www.climet.com](http://www.climet.com)

Please Contact CLiMET To Arrange For A FREE Demonstration And Product Information.