

# CI-754



75 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-1054 (100 LPM) flow rates.

# CLiMET®

**CLiMET INSTRUMENTS COMPANY**

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

# CI-754

# SPECIFICATIONS

|                         |   |
|-------------------------|---|
| Particle channel sizes: | Four sizes: 0.3, 0.5, 1.0, 5.0 micron   |
| Size resolution:        | Exceeds requirements of ISO 21501-4   |
| Concentration limit:    | 13,300 particles per liter (13.3 x 10 <sup>6</sup> particles per cubic meter) (10% coincidence)   |
| Sample flow rate:       | 75 liters per minute (0.075 cubic meter or 2.65 cubic feet per minute)  |
| Flow rate control:      | Electronic, automatic closed loop   |
| Sample tube extension:  | 1/2" (12.7 mm) I.D., up to 20 ft. (6.1 meters) maximum  |
| Max. False Count Rate:  | 2.7 per CM >0.3 µm (95% UCL) per ISO 21501-4<br>(1 count per five minutes)  |
| Battery:                | Replaceable 9.6 Volts, 12.6 Amp hour Nickel Metal Hydride<br>Battery operation time: 3.5 to 4.5 hours continuous operation<br>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<br>Transfer of user-defined programs to/from jump drive  |
| Beep On Count:          | 0.3 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<br>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.<br>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.   |



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