

# Quick Setup Guide

## AEROCET 831

### SERIAL COMMANDS

#### Protocol Summary:

- 38,400 Baud, 8 Data bits, No Parity, 1 Stop Bit
- Commands (CMD) are UPPER or lower case
- Commands are terminated with a carriage return <CR>
- To view setting = CMD <CR>
- To change setting = CMD <SPACE> <Value> <CR>

| CMD      | Type       | DESCRIPTION                                                                                              |
|----------|------------|----------------------------------------------------------------------------------------------------------|
| ?,H      | Help       | View the help menu                                                                                       |
| 1        | Settings   | View the settings                                                                                        |
| 2        | All data   | Returns all available records.                                                                           |
| 3        | New data   | Returns all records since last '2' or '3' command.                                                       |
| 4        | Last data  | Returns the last record or last n records (n = <Value>)                                                  |
| D        | Date       | Change date. Date is format is MM/DD/YY                                                                  |
| T        | Time       | Change time. Time format is HH:MM:SS                                                                     |
| C        | Clear data | Displays a prompt for clearing the stored unit data.                                                     |
| S        | Start      | Start a sample                                                                                           |
| E        | End        | Ends a sample (abort the sample, no data record)                                                         |
| ID       | Location   | View / change the location number. Range 1-999.                                                          |
| OP       | Op Status  | Replies OP x, where x is "S" Stopped or "R" Running                                                      |
| RV       | Revision   | View Software Revision                                                                                   |
| SKx y.yy | K-Factors  | View / change K-Factors.<br>x = 1-4 (PM1, PM2.5, PM4, M10)<br>y = K-Factor value<br>Range = 0.10 to 9.99 |

### SETTINGS TABLE

| Function       | Description                                                    |
|----------------|----------------------------------------------------------------|
| LOCATION NUBER | Range = 1 - 999                                                |
| HISTORY        | Display previous samples                                       |
| FREE MEMORY    | Display percent of memory available or clear all samples       |
| MODE           | Manual = single sample events<br>Continuous = nonstop sampling |
| FAVORITE       | Pin Favorite PM range to the top display line                  |
| TIME           | Display / set time                                             |
| DATE           | Display / set date                                             |
| ABOUT          | Model Number and firmware version                              |



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