

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)
ST	Sample time	View / change the sample time. Range 3-60 seconds.
ID	Location	View / change the location number. Range 1-999.
CS w x y z	Channel Sizes	View / change channel sizes where w=Size1, x=Size2, y=Size3 and z=Size4. Values are 1=0.3, 2=0.5, 3=0.7, 4=1.0, 5=2.5, 6=5.0, 7=10
SM	Sample mode	View / change sample mode. (0=Manual, 1= Continuous)
CU	Count units	View / change count units. Values are 0=CF, 1=/L, 2=TC
OP	Op Status	Replies OP x, where x is "S" Stopped or "R" Running
RV	Revision	View Software Revision
DT	Date Time	View / change date and time. (DD-MM-YY HH:MM:SS)

SETTINGS TABLE

Function	Description
LOCATION NUMBER	Range = 1 - 999
SIZES	Channel sizes. Select from list of 7 standard sizes (0.3, 0.5, 0.7, 1.0, 2.5, 5.0, 10)
FAVORITES	Select favorite display sizes
SAMPLE MODE	Manual or Continuous
COUNT UNITS	Total Count (TC), Particles / cubic foot (CF) particles / L (/L)
HISTORY	Display previous samples
SAMPLE TIME	Range = 1 - 60 seconds
TIME	Display / enter time
DATE	Display / enter date
MEMORY	Display percent of memory available or clear all samples
PASSWORD	Enter password to lock settings
ABOUT	Model Number and firmware version

Factory Default Settings

Parameter	Value
Sizes	0.3, 0.5, 5.0, 10 um
Favorite 1	0.3mm
Favorite 2	OFF
Sample Location	1
Sample Mode	Manual
Sample Time	60 seconds
Count Units	CF

Met One Instruments Inc.
200 N.E Greenfield Road
Grants Pass, OR 97526
541-471-7111
www.metone.com
804-9801 Rev. C

Quick Setup Guide

Model 804



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