





Met One Instruments GT-324-9800 Handheld Particle Counter Instruction Manual

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Met One Instruments GT-324-9800 Handheld Particle Counter



Specifications

• Model: GT-324

• Manufacturer: Met One Instruments, Inc

• Address: 1600 NW Washington Blvd. Grants Pass, OR 97526, U.S.A.

• Contact: Tel +1 541-471-7111, Fax +1 541-471-7116

• Email: service@metone.com

• CE Certified

Feature	Specification
Size Range	0.3 to 10.0 microns
Count Channels	4 channels preset to 0.3, 0.5, 5.0, and 10.0 μm
Size Selections	0.3, 0.5, 0.7, 1.0, 2.5, 5.0, and 10.0 μm
Accuracy	±10% to traceable standard
Concentration Limit	3,000,000 particles/ft³
Temperature	±3 °C
Relative Humidity	±5%
Flow Rate	0.1 CFM (2.83 L/min)
Sampling Mode	Single or Continuous
Sampling Time	3 – 60 seconds
Data Storage	2200 records
Display	2-line by 16-character LCD
Keyboard	2-button with rotary dial
Status Indicators	Low Battery, Calibration, NIST, ISO
Measurement Method	Light scatter
Light Source	Laser Diode, 35 mW, 780 nm
Electrical	
AC Adapter/Charger	AC to DC module, 100 – 240 VAC to 8.4 VDC
Battery Type	Li-ion rechargeable Battery
Battery Operating Time	8 hours continuous use
Battery Recharge Time	2.5 hours typical
Communication	USB Mini B Type
Physical Dimensions	
Height	6.25" (15.9 cm)
Width	3.65" (9.3 cm)
Thickness	2.00" (5.1 cm)
Weight	1.6 lbs (0.73 kg)
Environmental Conditions	
Operating Temperature	0° C to +50° C
Humidity	0 – 90%, non-condensing
Storage Temperature	-20° C to +60° C

1. Introduction

Provide an overview of the product and its purpose.

2. Setup

Instructions on how to set up the product for first-time use.

3. User Interface

Explanation of the user interface and how to navigate through it.

4. Operation

Detailed steps on how to operate the product, including powering up, sample screen display, and sampling.

1. Power Up

Step-by-step guide on how to power up the device.

2. Sample Screen

Information on what the sample screen displays and how to interpret it.

3. Sampling

Instructions on how to perform sampling using the product.

5. Settings Menu

Explanation of the settings menu, including viewing and editing settings.

1. View Settings

How to view the current settings on the device.

2. Edit Settings

Instructions on how to edit and customize the settings according to user preferences.

6. Serial Communications

Information on how to establish serial communications with the product.

7. Maintenance

Guidance on maintaining the product, including battery charging, service schedule, and flash upgrades.

1. Charging the Battery

Step-by-step instructions on how to charge the device's battery.

2. Service Schedule

Recommendations on when and how to service the product.

3. Flash Upgrade

Procedure for performing a flash upgrade on the device.

Introduction

- The GT-324 is a small lightweight four-channel hand held particle counter. Key features include:
- Simple user interface with multifunction rotary dial (rotate and press)
- 8 hours of continuous operation
- 4 count channels. All channels are user selectable to 1 of 7 preset sizes: (0.3μm, 0.5μm, 0.7μm, 1.0μm, 2.5μm,
 5.0μm and 10μm)
- · Concentration and total count modes
- Fully integrated temperature/relative humidity sensor
- Password protection for user settings

Setup

The following sections cover unpacking, layout and performing a test run to verify operation.

Unpacking

When unpacking the GT-324 and accessories, inspect the carton for obvious damage. If the carton is damaged notify the carrier. Unpack everything and make a visual inspection of the contents. Standard items (included) are shown in

- Figure 1 Standard Accessories. Optional accessories are shown in
- Figure 2 Optional Accessories.

ATTENTION:

A Silicon Labs CP210x Driver for the USB connection must be installed before connecting the GT-324 USB port to your computer. If this driver is not installed first, Windows may install generic drivers that are not compatible with this product. See section 6.1.

Driver download weblink: https://metone.com/usb-drivers/

GT-324 Standard Accessories











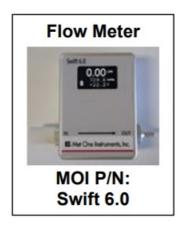


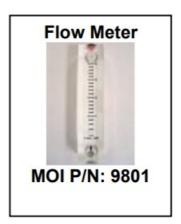






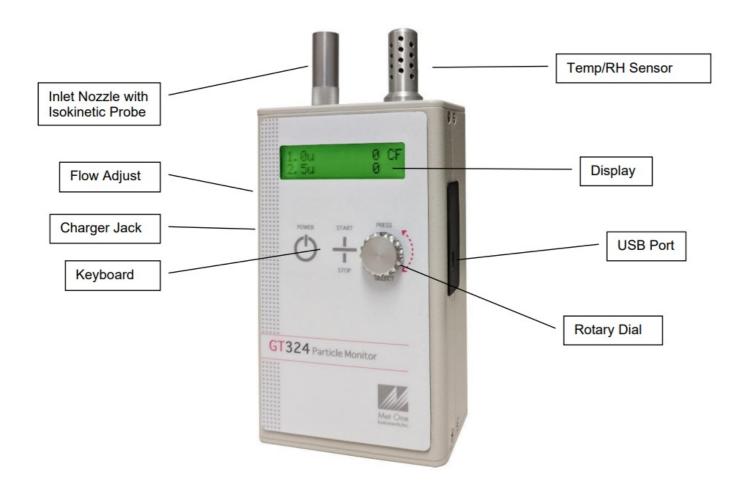






Layout

The following figure shows the layout of the GT-324 and provides a description of the components.



Component	Description
Display	2X16 character LCD display
Keyboard	2 key membrane keypad
Rotary dial	Multifunction dial (rotate and press)
Charger Jack	Input jack for external battery charger. This jack charges the internal batteries and provide s continuous operating power for the unit.
Flow Adjust	Adjusts the sample flow rate
Inlet Nozzle	Sample nozzle
USB Port	USB communication port
Temp/RH Sensor	Integrated sensor that measures ambient temperature and relative humidity.

Default Settings

The GT-324 comes with the user settings configured as follows.

Parameter	Value
Sizes	0.3, 0.5, 5.0, 10 mm
Temperature	С
Sample Location	1
Sample Mode	Manual
Sample Time	60 seconds
Count Units	CF

Initial Operation

The battery should be charged for 2.5 hours prior to use. Refer to Section 7.1 of this manual for battery charging information. Complete the following steps to verify proper operation.

- 1. Press the Power key for 0.5 seconds or more to turn on power.
- 2. Observe the Startup screen for 3 seconds then the Sample screen (Section 4.2)
- 3. Press Start / Stop key. The GT-324 will sample for 1 minute and stop.
- 4. Observe the counts on the display
- 5. Rotate the Select dial to view other sizes
- 6. The unit is ready for use

User Interface

The GT-324 user interface is composed of a rotary dial, 2 button keypad and an LCD display. The keypad and rotary dial are described in the following table.

Control	Description	
Power Key	Power the unit on or off. For power on, press for 0.5 seconds or more.	
	Sample Screen	START / STOP a sample event
Start / Stop Key	Settings Menu	Return to Sample screen
	Edit Settings	Cancel edit mode and return to the Settings Menu
Select Dial	Rotate the dial to scroll through selections or change values. Press the dial to select item or value.	

Operation

The following sections cover the basic operation of GT-324.

1. Power Up

Press the Power key to power up the GT-324. The first screen shown is the Startup Screen (Figure 4). The Startup Screen displays the product type and company website for approximately 3 seconds before loading the Sample Screen.



Figure 4 - Startup Screen

1. Auto Power Off

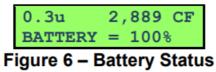
The GT-324 will power down after 5 minutes to preserve battery power providing the unit is stopped (not counting) and there is no keyboard activity or serial communications.

2. Sample Screen

The Sample Screen displays sizes, counts, count units, and time remaining. The time remaining is displayed during sample events. The Sample Screen is shown in Figure 5 below.

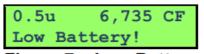
```
0.3u 2,889 CF ← Count Units (Section 4.3.3) ← Time Remaining
```

Channel 1 (0.3µ) is displayed on Sample Screen Line 1. Rotate the Select dial to display channels 2-4, battery status, ambient temperature, and relative humidity on line 2 (Figure 6).

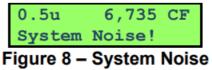


1. Warnings / Errors

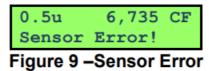
- The GT-324 has internal diagnostics to monitor critical functions such as low battery, system noise and an optical engine failure. Warnings/errors are displayed on Sample Screen Line 2. When this occurs, simply rotate the Select dial to view any size on the top line.
- A low battery warning occurs when there is approximately 15 minutes of sampling remaining before the unit stops sampling. A low battery condition is shown in Figure 7 below.



Excessive system noise can result in false counts and reduced accuracy. The GT-324 automatically monitors system noise and displays a warning when the noise level is high. The primary cause of this condition is contamination in the optical engine. Figure 7 shows the Sample screen with a System Noise warning.



 A sensor error is reported when the GT-324 detects a failure in the optical sensor. Figure 9 shows a sensor error.



3. Sampling

The following sub-sections cover sample related functions.

1. Starting/Stopping

Press the START/STOP key to start or stop a sample from the Sample Screen. Depending on the sample mode, the unit will either run a single sample or continuous samples. Sample modes are discussed in Section 4.3.2.

2. Sample Mode

The sample mode controls single or continuous sampling. The Manual setting configures the unit for a single sample. The Continuous setting configures the unit for nonstop sampling.

3. Count Units

The GT-324 supports total counts (TC), particles per cubic foot (CF), particles per cubic meter (M3) and particles per liter (/L). Concentration values (CF, /L, M3) are time dependent. These values may fluctuate early in the sample; however, after several seconds the measurement will stabilize. Longer samples (e.g. 60 seconds) will improve concentration measurement accuracy.

4. Sample Time

Sample time determines the sample duration. Sample time is user settable from 3 to 60 seconds and is discussed in Sample Timing below.

5. Hold Time

The hold time is used when Samples is set for more than one sample. The hold time represents the time from the completion of the last sample to the start of the next sample. The hold time is user settable from 0 - 9999 seconds.

6. Sample Timing

The following figures depict the sample timing sequence for both manual and continuous sampling. Figure 10 shows the timing for manual sample mode. Figure 11 shows the timing for continuous sample mode. The Start section includes a 3 second purge time.

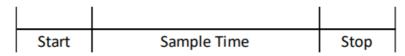


Figure 10 - Manual Sample Mode

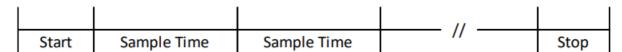


Figure 11 - Continuous Sample Mode

Settings Menu

Use the Settings Menu to view or change configuration options.

View Settings

Press the Select dial to navigate to the Settings Menu. Rotate the Select dial to scroll through the settings in the following table. To return to the Sample screen, press Start/Stop or wait 7 seconds.

The Settings menu contains the following items.

Function	Description
LOCATION	Assign a unique number to a location or area. Range = 1 – 999
SIZES	The GT-324 has four (4) programmable count channels. The operator can assign one of seven preset sizes to each count channel. Standard sizes: 0.3, 0.5, 0.7, 1.0, 2.5, 5.0, 1 0.
MODE	Manual or Continuous. The Manual setting configures the unit for a single sample. The Continuous setting configures the unit for nonstop sampling.
COUNT UNITS	Total Count (TC), Particles / cubic foot (CF), particles / L (/L), particles / cubic meter (M3).
TEMP UNITS	Celsius (C) or Fahrenheit (F) temperature units.
HISTORY	Display previous samples.
HOLD TIME	Range 0 – 9999.

TIME	Display / enter time. Time format is HH:MM:SS (HH = Hours, MM = Minutes, SS = Seconds).
DATE	Display / enter date. Date format is DD/MMM/YYYY (DD = Day, MMM = Month, YYYY = Year)
FREE MEMORY	Display the percentage of memory space which is available for data storage. When Fre e Memory = 0%, the oldest data will be overwritten with new data.
PASSWORD	Enter a four (4) digit numeric number to prevent unauthorized changes to the user settings.
ABOUT	Display model number and firmware version

View Sample History

Press the Select dial to navigate to the Settings Menu. Rotate the Select dial to the History selection. Follow the steps below to view sample history. To return to the Settings Menu, press Start/Stop or wait 7 seconds.

Press to View HISTORY	Press Select to view history.
30/MAR/2018 L001 10:30: 45 #2252	GT-324 will display the last record (Date, Time, Location, and Record Number). R otate dial to scroll through records. Press to view record.
0.3u 2,889 CF	
0.5u 997	
60	
5.0u 15	
60	
10u 5	
60	Detete dial to carell through received data (counts, data time, clarms) Drope Start/
Location 001 DATE 30/MA R/2018 TIME 10:30:45	Rotate dial to scroll through record data (counts, date, time, alarms). Press Start/ Stop to return to previous screen.
Low Battery!	

Edit Settings

Press the Select dial to navigate to the Settings Menu. Rotate the Select dial to scroll to the desired setting then press the Select dial to edit the Setting. A blinking cursor will indicate edit mode. To cancel edit mode and return to the Settings Menu, press Start/Stop.

Edit mode is disabled when the GT-324 is sampling (see below).

Sampling	
Press Stop Key	Screen displayed for 3 seconds then return to Settings Menu

Password Feature

The following screen is displayed if you attempt to edit a setting when the password feature is enabled. The unit will remain unlocked for a period of 5 minutes after a successful password unlock code is entered.

Press to Enter UNLOCK ####	Press Select to enter Edit mode. Return to Sample screen if no Select key in 3 s econds
Rotate and Press UNLOCK 0###	Blinking cursor indicates Edit mode. Rotate dial to scroll value. Press dial to sele ct next value. Repeat action until last digit.
Rotate and Press UNLOCK 0001	Rotate dial to scroll value. Press dial to exit Edit Mode.
Incorrect Password!	Screen displayed for 3 seconds if the password is incorrect.

Edit Location Number

Press to Change LOCATION 001	View screen. Press Select to enter Edit mode.
Rotate and Press LOCATI ON 001	Blinking cursor indicates Edit mode. Rotate dial to scroll value. Press dial to sele ct next value. Repeat action until last digit.
Rotate and Press LOCATION 001	Rotate dial to scroll value. Press dial to exit Edit Mode and return to view screen.

Edit Sizes

Press to View CHANNEL SIZES	Press Select to view Sizes.
Press to Change SIZE 1 of 4 0.3m	Sizes view screen. Rotate dial to view channel sizes. Press dial to change setting.
Rotate and Press SIZE 1 of 4 0.5m	Blinking cursor indicates Edit mode. Rotate dial to scroll values. Press dial to exit Edit mode and return to view screen.

Edit Sample Mode

Press to Change MODE CONTINUOUS	View screen. Press Select to enter edit mode.
Rotate and Press MODE CONTINUOUS	Blinking cursor indicates Edit mode. Rotate dial to toggle value. Press dial to exit Edit mode and return to view screen.

Edit Count Units

Press to Change COUNT UNITS CF	View screen. Press Select to enter edit mode.
Rotate and Press COUNT UNITS CF	Blinking cursor indicates Edit mode. Rotate dial to toggle value. Press dial to exit Edit mode and return to view screen.

Edit Temp Units

Press to Change TEMP U NITS	View screen. Press Select to enter edit mode.
Rotate and Press TEMP U NITS	Blinking cursor indicates Edit mode. Rotate dial to toggle value. Press dial to exit Edit mode and return to view screen.

Edit Sample Time

Press to Change SAMPLE TIME 60	View screen. Press Select to enter Edit mode.		
Rotate and Press SAMPL E TIME 60	Blinking cursor indicates Edit mode. Rotate dial to scroll value. Press dial to select next value.		
Rotate and Press SAMPL E TIME 10	Rotate dial to scroll value. Press dial to exit Edit Mode and return to view screen.		

Edit Hold Time

Press to change HOLD TI ME 0000	View screen. Press Select to enter Edit mode.	
Press to change HOLD TI ME 0000	Blinking cursor indicates Edit mode. Rotate dial to scroll value. Press dial to select next value. Repeat action until last digit.	

Edit Time

Press to Change TIME	
10:30:45	View screen. Time is real time. Press Select to enter edit mode.

Rotate and Press TIME 10:30:45	Blinking cursor indicates Edit mode. Rotate dial to scroll values. Press dial to sele ct next value. Repeat action until last digit.
Rotate and Press TIME 10:30:45	Last digit. Rotate dial to scroll values. Press dial to exit Edit mode and return to vi ew screen.

Edit Date

Press to Change				
DATE 30/MAR/2018	View screen. Date is real time. Press Select to enter edit mode.			
Rotate and Press DATE 30/MAR/2018	Blinking cursor indicates Edit mode. Rotate dial to scroll values. Press dial to sele ct next value. Repeat action until last digit.			
Rotate and Press DATE 30/MAR/2018	Rotate dial to scroll values. Press dial to exit Edit mode and return to view screen.			

Clear Memory

Press to Change FREE M EMORY 80%	View screen. Available memory. Press Select to enter edit mode.
Press and Hold to Clear Memory	Hold Select dial for 3 seconds to clear memory and return to view screen. Return to view screen if no action for 3 seconds or key hold time is less than 3 seconds.

Edit Password

Press to Change PASSW ORD NONE	View screen. #### = Hidden password. Press Select to enter Edit mode. Enter 00 00 to disable password (0000 = NONE).
Rotate and Press PASSW ORD 0000	Blinking cursor indicates Edit mode. Rotate dial to scroll value. Press dial to select next value. Repeat action until last digit.
Rotate and Press PASSW ORD 0001	Rotate dial to scroll value. Press dial to exit Edit Mode and return to view screen.

Serial Communications

Serial communications, firmware field upgrades and real time output are provided via the USB port located on the side of the unit.

1. Connection

ATTENTION: A Silicon Labs CP210x Driver for the USB connection must be installed before connecting the GT-324 USB port to your computer. Driver download weblink: https://metone.com/usb-drivers/

2. Comet Software

- The Comet software is a utility for extracting information (data, alarms, settings, etc.)
 from Met One Instruments products. The software is designed for the user to easily access information within a product without having to know underlying communications protocol for that device.
- The Comet software can be downloaded at https://metone.com/software.

3. Commands

- The GT-324 provides serial commands for accessing stored data and settings. The protocol is compatible with terminal programs such as Comet, Putty or Windows HyperTerminal.
- The unit returns a prompt ('*') when it receives a carriage return to indicate a good connection. The following table lists the available commands and descriptions.

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	Туре	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>)</value>	
D	Date	Change date. Date is format is MM/DD/YY	
Т	Time	Change time. Time format is HH:MM:SS	
С	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 (w x y z) are 1=0.3, 2=0.5, 3=0.7, 4=1.0, 5=2.5, 6=5.0, 7=10	
SH	View / change the hold time. Values are 0 – 9999 Hold Time seconds.		
SM	Sample	View / change sample mode. (0=Manual, 1= Continuous)	
CU	Count units	View / change count units. Values are 0=CF, 1=/L, 2=TC	
ОР	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. Format = DD-MM-YY HH:MM:SS	

4. Real Time Output

The GT-324 outputs real time data at the end of each sample. The output format is a comma separated values (CSV). The following sections show the format.

5. Comma Separated Value (CSV)

A CSV header is included for multiple record transfers like Display All Data (2) or Display New Data (3).

- 1. **CSV Header:** Time, Location, Sample Time, Size1, Count1 (units), Size2, Count2 (units), Size3, Count3 (units), Size4, Count4 (units), Ambient Temperature, RH, Status
- 2. **CSV Example Record:** 31/AUG/2010 14:12:21, 001,060,0.3,12345,0.5,12345,5.0,12345,10,12345,22.3, 58.000<CR><LF>

Note: Status bits: 000 = Normal, 016 = Low Battery, 032 = Sensor Error, 048 = Low battery and Sensor Error

Maintenance

WARNING: There are no user serviceable components inside this instrument. The covers on this instrument should not be removed or opened for servicing, calibration or any other purpose except by a factory-authorized person. To do so may result in exposure to invisible laser radiation that can cause eye injury.

1. Charging the Battery Caution: The provided battery charger is designed to work safely with this device. Do not attempt to connect any other charger or adapter to this device. Doing so may result in equipment damage. To charge the battery, connect the battery charger module AC power cord to an AC power outlet and the battery

charger DC plug to the socket on the side of the GT-324. The universal battery charger will work with power line voltages of 100 to 240 volts, at 50/60 Hz. The battery charger LED indicator will be Red when charging and Green when fully charged. A discharged battery pack will take approximately 2.5 hours to fully charge. There is no need to disconnect the charger between charging cycles because the charger enters a maintenance mode (trickle charge) when the battery is fully charged.

2. Service Schedule

Although there are no customer serviceable components, there are service items which ensure the proper operation of the instrument. Table 1 shows the recommended service schedule for the GT-324.

Item To Service	Frequency	Done By
Flow rate test	Monthly	Customer or Factory Service
Zero test	Optional	Customer or Factory Service
Inspect pump	Yearly	Factory service only
Test battery pack	Yearly	Factory service only
Calibrate Sensor	Yearly	Factory service only

1. Flow Rate Test

- The sample flow rate is factory set to 0.1cfm (2.83 lpm). Continued use can cause minor changes in flow which can reduce measurement accuracy. A flow calibration kit is available separately that includes everything needed to test and adjust the flow rate.
- To test the flow rate: remove the Isokinetic inlet. Attach the tubing connected to the flow meter (MOI# 9801) to the instrument inlet. Start a sample, and note the flow meter reading. The flow rate should be 0.10 CFM (2.83 LPM) 5%.
- If the flow is not within this tolerance, it can be adjusted by a trim pot located in an access hole in the side of the unit. Turn the adjustment pot clockwise to increase the flow and counter-clockwise to decrease the flow.

2. Zero Count Test

Air leaks or debris in the particle sensor can cause false counts which may result in significant count errors when sampling in clean environments. Perform the following zero count test weekly to ensure proper operation:

- 1. Attach zero count filter to the inlet nozzle (PN G3111).
- Configure the unit as follows: Samples = MANUAL, Sample Time = 60 seconds, Volume = Total Count (TC)
- 3. Start and complete a sample.
- 4. The smallest particle size should have a count <= 1.

3. Annual Calibration

The GT-324 should be sent back to Met One Instruments yearly for calibration and inspection. Particle counter calibration requires specialized equipment and training. The Met One Instruments calibration facility uses industry accepted methods such as ISO.

In addition to calibration, the annual calibration includes the following preventative maintenance items to reduce unexpected failures:

- Inspect filter
- Inspect / clean optical sensor
- · Inspect pump and tubing
- · Cycle and test the battery
- · Verify RH and Temperature measurements

3. Flash Upgrade

Firmware can be field upgraded via the USB port. Binary files and the flash program must be provided by Met One Instruments.

Troubleshooting

WARNING: There are no user serviceable components inside this instrument. The covers on this instrument should not be removed or opened for servicing, calibration or any other purpose except by a factory-authorized person. To do so may result in exposure to invisible laser radiation that can eye injury.

The following table covers some common failure symptoms, causes and solutions.

Symptom	Possible Cause	Correction
Low battery message	Low battery	Charge battery 2.5 hrs
System noise message	Contamination	 Blow clean air into nozzle (low pres sure, do not connect via tubing) Send to service center
Sensor error message	Sensor failure	Send to service center
Does not turn on, no display	Dead battery	1. Charge battery 2.5 hrs
	2. Defective Battery	2. Send to service center
Display turns on but pump do es not	Low Battery	1. Charge battery 2.5 hrs
	2. Defective pump	2. Send to service center
No counts	Pump stopped	Send to service center
	2. Laser diode bad	2. Send to service center
Low counts	Incorrect flow rate	Check flow rate
	2. Calibration drift	2. Send to service center
High counts	Incorrect flow rate	Check flow rate
	2. Calibration drift	2. Send to service center
Battery pack does not hold a charge	Defective battery pack	Send to service center
	2. Defective charger module	2. Replace charger
	I .	1

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GT-324 Manual

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Technical Support

Should support still be required after consulting the printed documentation, contact one of the expert Met One Instruments, Inc. Technical Service representatives during normal business hours of 7:00 a.m. to 4:00 p.m. Pacific Standard Time, Monday through Friday. Product warranty information is available at https://metone.com/metone-warranty. In addition, technical information and service bulletins are often posted on our website. Please contact us and obtain a Return Authorization (RA) number before sending any equipment back to the factory. This allows us to track and schedule service work and to expedite customer service.

Contact Information:

• Tel: + 541 471 7111 • Fax: + 541 471 7115

• Web: https://metone.com

• Email:service.moi@acoem.com

• Address: Met One Instruments, Inc. 1600 NW Washington Blvd Grants Pass, Oregon 97526 U.S.A.

Please have the instrument serial number available when contacting the manufacturer. On most models manufactured by Met One Instruments, it will be located on a silver product label on the unit, and also printed on the calibration certificate. The serial number will begin with a letter and be followed by a unique five-digit number such as U15915.

NOTICE

CAUTION—Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CLASS 1 LASER PRODUCT

Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019

- There are no user-serviceable parts located inside the cover of this device.
- Do not attempt to remove the cover of this product. Failure to comply with this instruction could cause accidental exposure to laser radiation.
- This product is CE-certified. For complete details contact the manufacturer.

Met One Instruments, Inc Corporate Sales & Service:

- 1600 NW Washington Blvd. Grants Pass, OR 97526
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- www.metone.com
- service@metone.com

Documents / Resources

GT-324 MANUAL



Met One Instruments GT-324-9800 Handheld Particle Counter [pdf] Instruction Manual GT-324-9800 Handheld Particle Counter, GT-324-9800, Handheld Particle Counter, Particle Counter nter

References

- Met One Precision Air Quality Monitoring Instruments
- Met One Precision Air Quality Monitoring Instruments
- ▲ Met One Precision Air Quality Monitoring Instruments
- User Manual

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