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### WARRANTY / DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of 13 months from date of purchase. OMEGA's Warranty adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered

with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component"

### RETURN REQUESTS/INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence. The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR WARRANTY RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty; and
3. Repair instructions and/or specific problems relative to the product.

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## OM-21A Data Logger

INSTRUCTION  
SHEET

M5731/0119

Shop online at [omega.com](http://omega.com) e-mail: [info@omega.com](mailto:info@omega.com)  
For latest product manuals: [www.omegamanual.info](http://www.omegamanual.info)



OM-21A  
One Time PDF Logger



- 3 sec start
- 3 sec stop
- not started no
- stopped(ok)
- stopped(alarm)
- recording(ok)
- recording(alarm)
- 1 time set mark

### Tips

For -P Model, please download the software to configure it.  
The website is: [www.omega.com/pptst/OM-21A.html](http://www.omega.com/pptst/OM-21A.html)

## INTRODUCTION

Small, light, waterproof and in a food safe wrapper, the single used data logger is ideal for monitoring the temperature of shipments in transit. Recordings are started by pressing the start button. The data logger is then placed inside the carton and dispatched. At the receiving end, the data logger is taken from the package and removed from the protective wrapper. It is placed into the USB slot on a computer to get PDF report directly without any software and driver.

## APPLICATIONS

This data logger is used mainly to monitor and verify temperature-sensitive goods, equipment or areas. Example: Cold Chain, Refrigeration, transportations and food&pharmaceutical.

## SPECIFICATIONS

Use Type	Single Use
Measurement Range	-30°C ~ +70°C (-22°F to 158°F)
Measurement Accuracy	±0.5°C (±0.9°F) *Typical Accuracy
Resolution	±0.1°C (±0.1°F)
Data Storage Capacity	8640 (Default) readings
Elapsed Time	1day~360days, user can choose
Start Mode	Press Button
Stop Mode	Press Button; When Full; When Into USB
High/Low Alarm	Can be set according to user's requirement
Start Delay	From 0 to 254min.
Alarm Delay	From 0 to 960 min.
Alarm Type	Single Type; Accumulation Type
Operation Range	-30~70°C
Storage	-30~70°C
Dimensions	62mmX27mmX4mm
Weight/Package	10 grams each; 10pcs each giftbox
Protection Class	IP67
Standard Compliance	CE , ROHS, EN12830, FDA 21 CFR Part 11
Communication Interface	USB2.0
Shelf Life	2 years (3.0v Lithium Battery)

NOTE: There is a formula among "Data Storage Capacity(N)"/"Elapsed Time(D)" and Sample Interval(I, Unit:seconds) :  $D=N*I/86400$ .

### 1. START

Press and hold the button for about 3sec. until the GREEN LED lights to start logging. If the GREEN LED doesn't light, please don't use this data logger and user must make sure it's correct to start. When logging, the GREEN LED will flash once every 10sec. if not any alarm events have happened. Or the RED LED will flash once every 10sec. if any alarm events have happened.

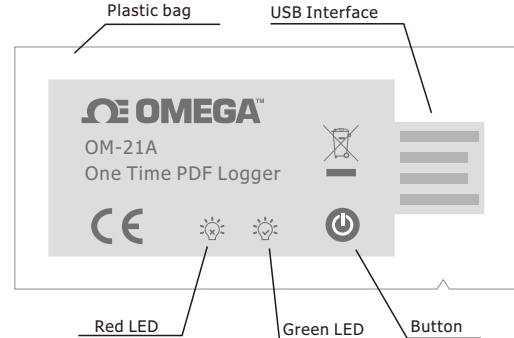
### 2. PLACE

Put the data logger in the place or specific environment where you want to monitor and record.

### 3. STOP

When memory full or inserted into PC's USB port, the data logger will stop logging. If the memory full or pressing&holding the button for approx. 3 sec. to stop logging, the RED LED will flash twice every 10sec. if any alarm events have happened. Or the Green LED will flash twice every 10sec. if not any alarm events have happened.

NOTE: Once user uses the button to start logging, the button can't be used within 30 minutes to stop logging.



### 4. MARK

Press the button once in logging status and the RED LED lights once to indicate one point mark finished. This device supports up to 6 points mark.

### 5. GET PDF REPORT

Tear or cut off the plastic bag and you can now plug the data logger into an available USB port on a PC. The RED LED will flash when a PDF is generating. And then the GREEN LED will light when finished. It may need several seconds (According to logged readings) to finish. And user should wait until the PC find a U-disk called "PDF\_DATA", then user can get the PDF report in the U-disk.

