multicomp PRO

PDF DATA LOGGER

1. LCD
2. Button
3. LED
   - OK
   - ALARM
4. USB Cap
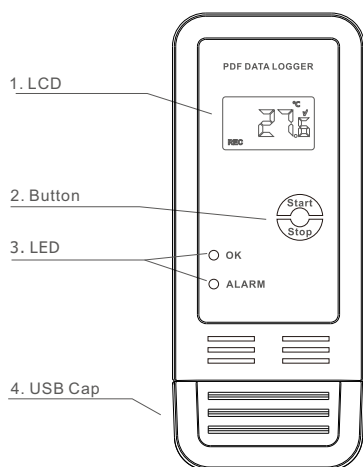
**MULTI-USE TEMPERATURE &
HUMIDITY DATALOGGER
MP780622 & MP780623**

INTRODUCTION
Small, light, and in a food safe, the data logger is ideal for monitoring the temperature/humidity in transport, storage and testing process. Recordings are started and stopped by pressing a button and then accessed and copied via USB connection to a PC, no software is required.

APPLICATIONS
This data logger is used mainly to monitor and verify temperature/humidity sensitive goods, equipment or areas.
Example: Cold store, refrigeration, transportation and food & pharmaceutical.

SPECIFICATIONS

Use Type	Multi Use
Data Storage Capacity	17280~30240
Sample Interval	10sec. to 18hours
Typ. Battery Life	2 years(15min interval, at 25 ℃)
High/Low Alarm	Can be set according to user's requirement
Alarm Deay	From 0 to 960 min.
Alarm Type	Single type; Accumulation type
Start Delay	From 0 to 254min.
Start Mode	Press Button
Stop Mode	Press Button; Memory full; When into USB
Operation Range	-30~70℃
Storage Range	-30~70℃
Dimentions&Weight	95mmX40mmX17mm; Approx. 36 grams
Protection Class	IP30
Standard Compliance	CE , ROHS , EN12830
Communication Interface	USB2.0
Battery	CR2032 3.0v Lithium Battery
Configuration Software	PidifiX (Windows 7, 8, Vista, 10 both 32 & 64 bit)
Warranty	12months
Measuring range	-30~70℃, 0~100%RH
Accuracy	±0.5℃, ±3%RH
Resolution	±0.1℃, ±0.1%RH

START LOGGING
Press and hold the button for about 3sec until the OK LED lights to start logging. If the OK LED doesn't light, please check the data logger settings and ensure it's correct to start.
When logging, the OK LED will flash once every 10sec if no alarm events have happened.
The ALARM LED will flash once every 10sec if any alarm events have happened.

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

STOP LOGGING
If the memory full or holding the button for approx 3 sec to stop logging. The ALARM LED will flash twice every 10sec if any alarm events have happened. The Green LED will flash twice every 10sec if not any alarm events have happened.
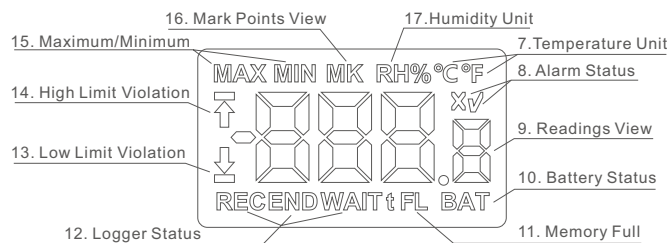**NOTE:**
When inserted into PC's USB port, the data logger will stop logging and start to generate PDF document.

GET PDF REPORT
Connect the data logger to an available USB port on a PC. The ALARM LED will flash and a "PdF" will be shown on LCD when a PDF is generating followed by the OK LED lighting and "uSb" displayed on the LCD when finished. It may need several seconds to complete depending on the logged readings. Browse the PC to find a U-disk called "PDF_DATA", which will contain the PDF report.

VIEW
Press the button repeatedly to view settings as below:-

16. Mark Points View
17. Humidity Unit
15. Maximum/Minimum
7. Temperature Unit
14. High Limit Violation
8. Alarm Status
13. Low Limit Violation
9. Readings View
10. Battery Status
12. Logger Status
11. Memory Full

MAX MIN MK RH% ℃ ℉
RECEND WAIT t FL BAT

Readings View: measurement readings refreshed every 10 seconds.
REC: Logger is recording. Note: see this sign to check if logger recording.
END: Recording finished or stopped.
WAIT: Logger is waiting to start. User can hold the button to start.
℃/℉: Temperature unit. To change using PidifiX software.
RH%: Humidity unit
- : High limit violation happened
- : Low limit violation happened
- : No alarm
- : Alarm happened
MAX/MIN: The maximum/minimum recorded readings.
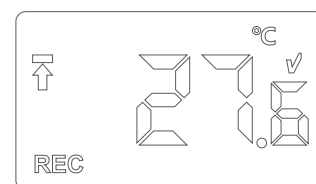- : Indicate that data logger will delay for set time to start

MK: Logger is in mark mode, user can hold the button to make mark points. FL: Memory is full and logger is stopped.
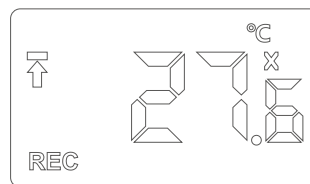BAT: Low battery warnings. Please see "BATTERY LIFE" for details.

In Recording or End Mode - Home Interface
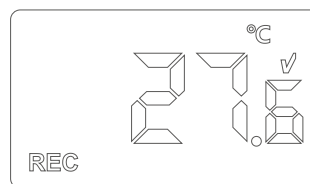
Home interface - No alarm

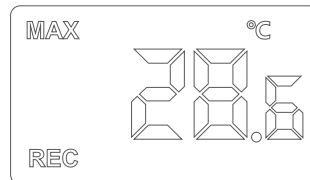Home Interface - High limit violation happened
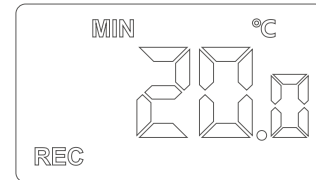
Home interface - Alarm happened

Tips:
1. In view interface, the LCD will return to home interface after 15seconds if not any button operations

2. If not any button operations within 3minutes, the LCD will be off. Click the button to turn on the LCD.
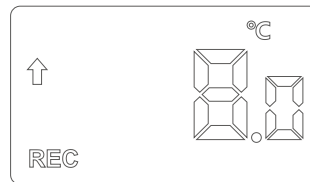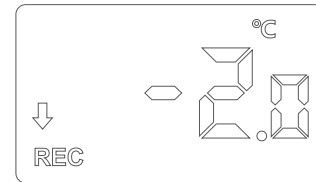
In Recording or End Mode - View Interface

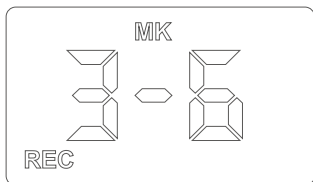Maximum recorded readings
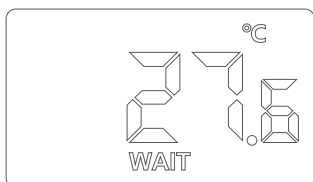
Minimum recorded readings

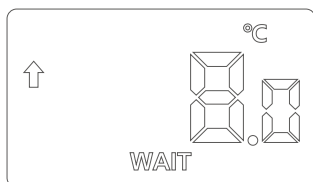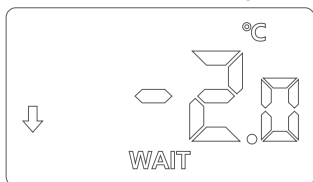High limit settings

Low limit settings

In Wait Mode

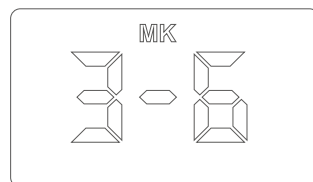Measurement readings → High limit settings

NOTE:
In wait mode, if a"t" shown on LCD, it indicates that data logger will delay for set time to start.

Low limit settings

MARK
In "REC" status, press the button continuously to go into mark view interface as below.

In "REC" and "MK" interface, hold the button for 3sec until the ALARM LED lights to indicate one point mark has been stored.
As above, the "3" indicates the stored mark points and the "6" indicates the maximum supported mark points.

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CONFIGURATION SOFTWARE
On the included CD find "PidifiX" or download from the Farnell website product page. Run *.exe file to install the software and then the software shortcut "PidifiX"will be shown on PC's desktop. Run the Pidifix as below.

Channels
-High and Low Limit. To set high and low limit and violation events will happen when exceeding the set limit.
-Alarm Delay. When limit violation events happen, alarm will happen after the set alarm delay time.
-Accumulation. If unselected it will be single-type, and alarm will happen after set alarm delay. And if limit violation events removed before this delay thee alarm won't happen. If selected, alarm will happen when the total time of the violation events exceeds the set alarm delay.

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-Temperature unit: ℃/℉ To choose between centigrade and Fahrenheit temperature.
-Ext. If data logger needs to use an external probe, select it.

Sample Interval Time
To choose sample interval. The elapsed days will be calculated based on the sample interval and maximum memory capacity.

Start Delay
This decide start time actually. Once pressing button to start, data logger will start after the start delay time.

LCD ON
For those data loggers with an LCD, user can select it to enable LCD display.

Stop by Button
If selected, data logger can be stopped by pressing the button.
Note: use it to avoid the logger being stopped by incorrect operations.

Restart
If selected, data logger can be restarted without software configuration.
Note: on restarting the logger, it will delete all recorded data. Before doing this, the user has to confirm the data has been saved to a PC.

File Type
The data logger supports to generate pdf, dlg(raw file), csv, xls or txt directly, and user can select the file type that will be generated.

Save as
User can click the button to use the software (Pidifi) to get csv, xls, txt and dlg(raw file) file.

Refresh
Click this button to refresh shown information and status for current logger.

Calibration
Click this button to enter into calibration mode. For more details, please contact the supplier.
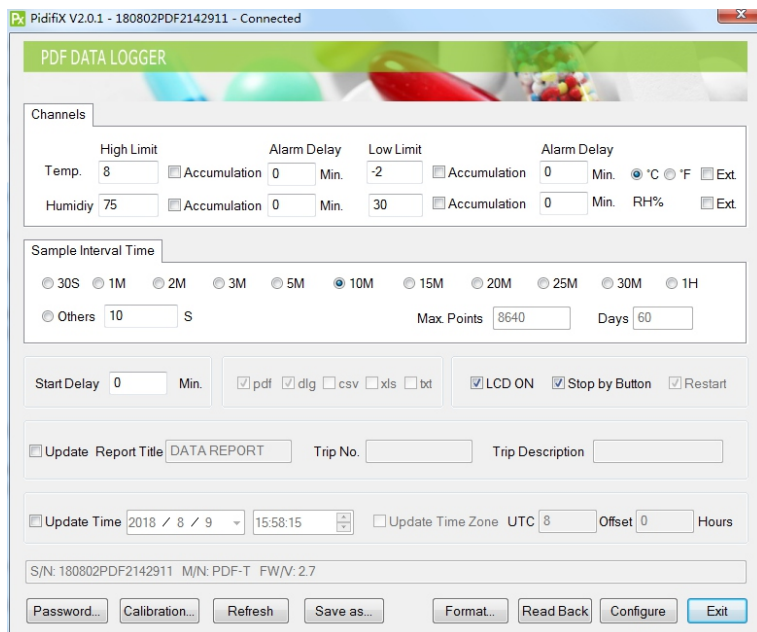
Password
User can set password for current logger. Once password has been set, user must input correct password to access.

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Report
User can set PDF report title, trip no. and description.

Time and Zone
User can set time zone according to user's country.
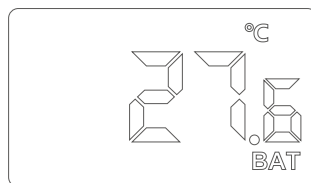
Read Back
Click this button to read the latest configuration from logger.

Configure
After finish all settings, Click this button to setup

BATTERY LIFE
After installing a new battery, the data logger will monitor the battery status.

When "BAT" displays on the LCD, the battery is low and requires replacing noting the correct polarty.

Tips:

1. Each time user restarts or configures the logger, the old recorded data will be deleted.
2. After restarting or configure, any PDF seen in the u-disk from a connected PC will be the last record not new data recorded since the restart.

INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT
These symbols indicate that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.

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