

Scigiene
Scigiene
MicroDL
Initializing
Temperature
Data Loggers



Scigiene MicroDL Initializing Temperature Data Loggers Instructions

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Scigiene MicroDL Initializing Temperature Data Loggers



Product Information

Specifications

- Product Name: MicroDL Temperature Data Loggers
- Model: MicroDL
- Features: Temperature recording, alarm indicators, firmware update
- Display: LCD display
- Interface: USB

Product Usage Instructions

Initialization

1. Start the MDAS-Pro software by double-clicking on the icon.
2. Plug the MicroDL reader USB into your PC and turn on the MicroDL display by pressing the black Start Button.
3. Place the MicroDL into the reader station with the display side down and select Logger from the menu. Click on Read Logger to initiate communication with the computer.
4. Check and set the Duration of Recording, Interval Between Measurements, and Alarm Limits as needed.
5. Update the firmware by clicking OK and wait for the process to finish before disconnecting the logger.

Starting the Logger

1. Remove the device from the reader station.
2. Press and hold the black Start Button for 7 seconds until RUN displays.
3. Confirm that REC appears in the upper left of the display to indicate recording has started.
4. Place the MicroDL in the desired monitoring location.

Display Examples

Pressing the Start button will cycle through displaying:

- Current temperature
- Elapsed time in days (RUN)
- High and low temperatures
- Alarm indicators and times

Note: Refer to the Configuration Guide for detailed settings and usage instructions.

FAQ

- **Q: How long does the MicroDL display stay on before hibernating?**
 - A: The display will stay on for four minutes before hibernating.
- **Q: How can I update the firmware in the logger?**
 - A: Push OK on the Logger Initialization screen to update the firmware. Wait until the updating is finished before disconnecting the logger.

Initializing MicroDL Temperature Data Loggers

Initializing the Logger

1. Start the MDAS-Pro software by double clicking on the icon.
2. Plug the MicroDL reader USB into your PC. Turn the MicroDL display on by pressing the black Start Button. The display will stay on for four minutes before hibernating.
3. Place the MicroDL into the reader station, with the display side down, while the display is still ON in order to communicate with the computer.



On menu select **Logger** and then click on **Read Logger** in the drop down menu.



4. The Logger Initialization screen will appear.

Setup Tab

- **Description:** Enter alpha-numeric information, such as the location of the unit.
- **Tracking Number:** Enter numeric information, such as a record number for shipping or receiving.
- **Logger Clock:** Set the time manually in the window, or set the logger time based on the time on your PC.
- **Battery Status:** This displays the date when the battery was installed or replaced.



Measurement Tab

- **Start Delay:** Set a time delay in either hours, minutes, or seconds before the unit will begin to record.
- **Measurement Times:** Set the length of time in days or hours that you wish to record data. Please note that the

Duration of Recording and Interval Between Measurements are dynamically linked.

Logger Initialization

Setup | Measurement | Alarms | Properties

Start Delay

Pushbutton Start Delay:

0 Hours 0 Min. 0 Sec. [Up] [Down]

Measurement Times

Duration of Recording:

2 Days 14 Hours 57 Min.

Interval Between Measurements:

0 Hours 1 Min. 0 Sec. [Up] [Down]

Total Number of Measurements: 3976

Delay to First Measurement: 1Min

Recording Completion Date (est., Start Now) = 1/25/2010 7:08:05 AM

Erase Recording Cancel <= Back Next =>

Setting the Duration

Setting the Duration of Recording will automatically calculate the Interval Between Measurements. Conversely, setting the Interval Between Measurements, will automatically calculate the Duration of Recording. For example, if you set the Duration of Recording to 3 Days, it will automatically calculate the Interval Between Measurements as 34 seconds. Or, if you set the Interval Between Measurements at 15 minutes, it will automatically calculate the Duration of Recording to 79 days and 21 hours.

Logger Initialization

Setup | Measurement | Alarms | Properties

Start Delay

Pushbutton Start Delay:

0 Hours 0 Min. 0 Sec. [Up] [Down]

Measurement Times

Duration of Recording:

0 Days 2 Hours 5 Min.

Interval Between Measurements:

0 Hours 0 Min. 2 Sec. [Up] [Down]

Total Number of Measurements: 3976

Delay to First Measurement: 1Min

Recording Completion Date (est., Start Now) = 1/22/2010 5:22:41 PM

Erase Recording Cancel <= Back Next =>

Logger Initialization

Setup | Measurement | Alarms | Properties

Start Delay

Pushbutton Start Delay:

0 Hours 0 Min. 0 Sec. [Up] [Down]

Measurement Times

Duration of Recording:

13 Days 4 Hours 51 Min. [Up] [Down]

Interval Between Measurements:

0 Hours 5 Min. 0 Sec. [Up] [Down]

Number of Measurements: 3976

Delay to First Measurement: 1Min

Recording Completion Date (est., Start Now) = 2/4/2010 8:09:12 PM

Erase Recording Cancel <= Back Next =>

Alarms Tab

- **Temperature GREATER Than:** Set the maximum temperature for an alarm condition to be triggered.
- **Temperature LESS Than:** Set the minimum temperature for an alarm condition to be triggered.
- **Continuous:** Time over or under the alarm continuously.
- **Cumulative:** Total cumulative time over or under the alarm.

Logger Initialization

Setup | Measurement | Alarms | Properties

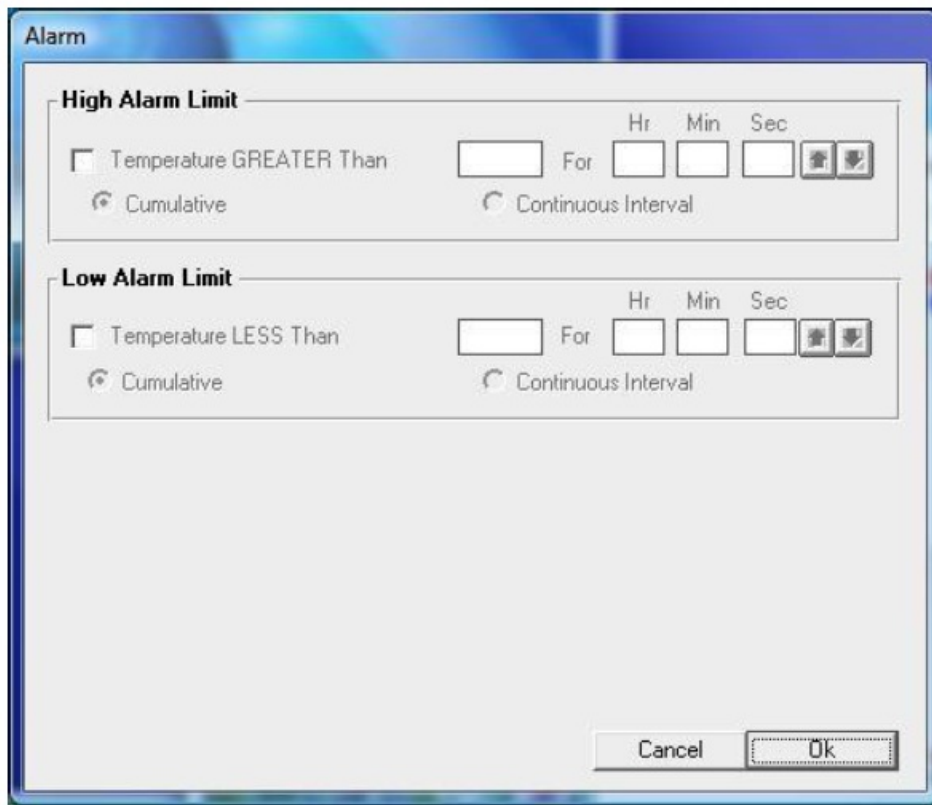
Click on item to change.

Temperature	
GREATER Than	Not Active
LESS Than	Not Active

Alarm Time is a multiple of the Measurement Interval.

Erase Recording Cancel <= Back Next =>

Check the High Alarm Limit or Low Alarm Limit if you want to enable the flashing LED alarm indicator.



Alarm

High Alarm Limit

☐ Temperature GREATER Than For Hr Min Sec

☒ Cumulative ☐ Continuous Interval

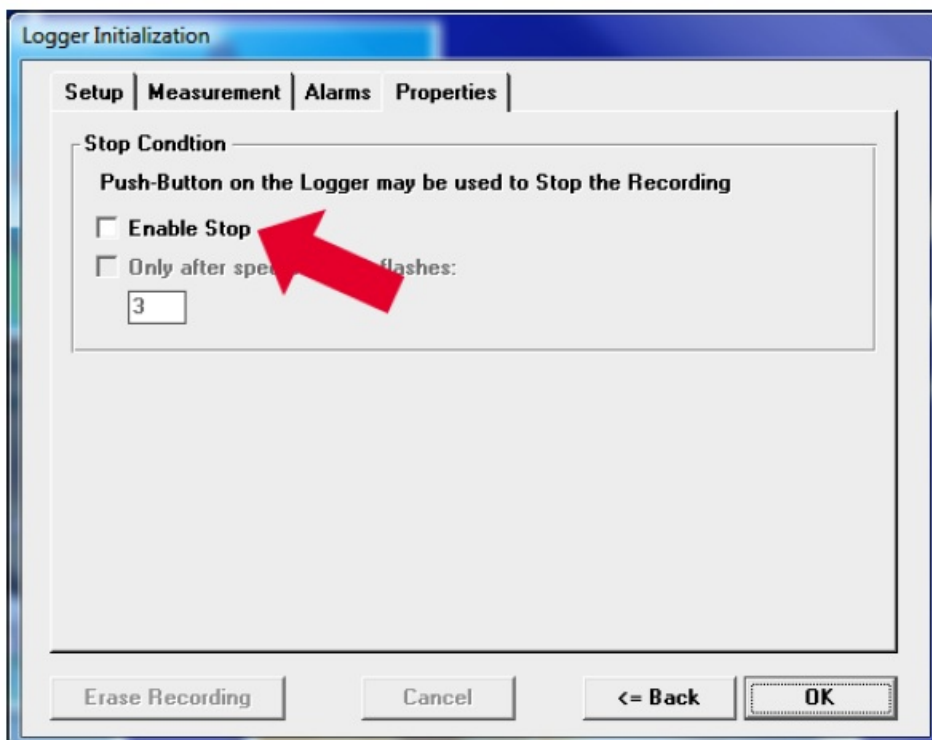
Low Alarm Limit

☐ Temperature LESS Than For Hr Min Sec

☒ Cumulative ☐ Continuous Interval

Properties Tab

- **Stop Condition:** The Push Start button on the logger may be enabled as a Stop button mechanism. Check the Enable Stop box if you want to be able to stop recording. Note that the device cannot be restarted after pushing the Stop button.
- **Memory Configuration:** The memory may be configured two ways. The default is Record to End of Memory (recommended). The other is Continuous which writes over the oldest data.



Logger Initialization

Setup | Measurement | Alarms | Properties

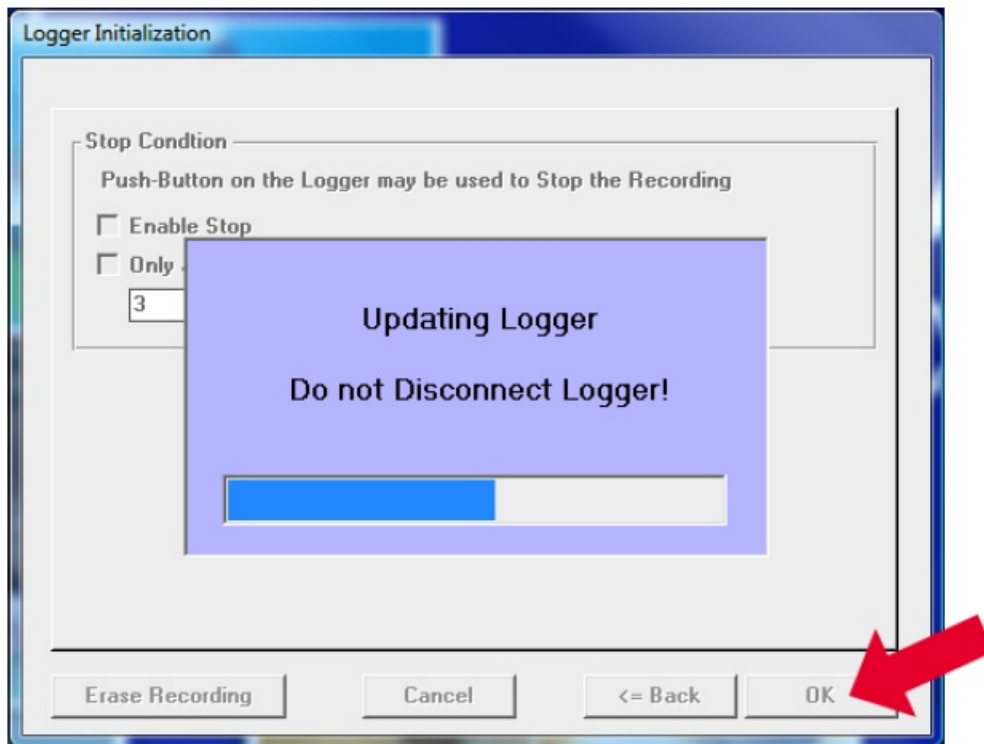
Stop Condition

Push-Button on the Logger may be used to Stop the Recording

☐ **Enable Stop**

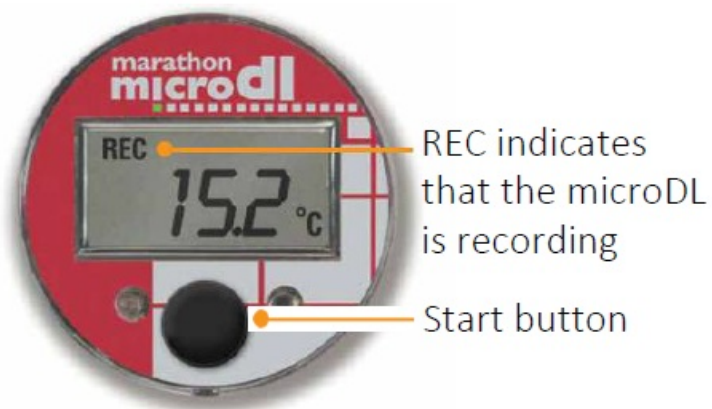
☐ Only after specified flashes:

Push OK to update the firmware in the logger. Wait until the updating is finished before disconnecting the logger.



Starting the Logger

- Remove the device from the reader station and press and hold the black Start Button for 7 seconds until the RUN displays.
- To confirm that the logger has been started, REC will appear in the upper left of the display.
- The MicroDL is now recording. The unit can be placed in the location that should be monitored.



DISPLAY EXAMPLES

Press the Start button to see the following information display with each press:

1. **REC:** 8.6°C shows recording and current temperature
2. **RUN:** 11 D shows elapsed time in days
3. **MKT:** 9.1°C shows mean kinetic temperature
4. **HI:** 15.2°C shows alarm has occurred and high temperature




5. **LOW:** 8.20C shows alarm has occurred and low temperature
6. **HI HR:** 0.3 shows alarm time hours over highly threshold
7. **LOW HR:** 1.1 shows alarm time hours over low threshold
8. **REC:** 8.60C Push to return to current temperature



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Documents / Resources

	<p>Scigiene MicroDL Initializing Temperature Data Loggers [pdf] Instructions MicroDL Initializing Temperature Data Loggers, MicroDL, Initializing Temperature Data Loggers, Temperature Data Loggers, Data Loggers, Loggers</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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