

EZ Logger Initialization & Reading Instructions

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# Initializating the EZ Logger

Start the MDAS-Pro software by double clicking on the icon.

Select **EZ Logger** on the menu.

Select Logger Initialization on the drop down menu.

The Logger Initialization screen will appear.



### SET UP SCREEN:

Enter a description of the current recording that will remind you what the contents are at a later date.

The EZ Logger is synchronized to your computer's date and time.

Click Next.



# START TIME SCREEN:

Click on one of the options on how you want the EZ Logger to start recording.

**Start Immediately** will start recording immediately after initialization.

**Start Time** lets you set a date and time for the recording to start.

Start Delay lets you set a delay before starting the recording.

Click Next.

| Logger Initialization   |       |
|---|-------|
| SetUp Start Time Measurement Alarm  |       |
| Start Time<br>(* Start Immediately<br>Logger starts immdeiately after settings are written to logger. |       |
| C Start Time<br>9/17/2009  10:22:23 AM  |       |
| ⊂ Start Delay   |       |
| Current System Time:<br>Thursday, September 17, 2009 10:22:23 AM                                      |       |
| Cancel <= Back Nex  | ct => |

# MEASUREMENT SCREEN:

| E- Logger Initialization                    |
|---|
| SetUp Start Time Measurement Alarm          |
| Measurement Times<br>Duration of Recording: |
| Interval Between Measurements               |
| Total Number of measurements:               |
|   |
|   |
| Cancel<= BackNext =>                        |

Measurement lets you set the interval between measurements. The length of the interval determines the total duration of the recording time. Setting a shorter interval gives a shorter total duration. A larger interval gives a longer total duration. The minimum interval is 10 seconds.

#### Click Next.

## ALARM SCREEN:

| 🖳 Logger Initialization |            |          |         |    |
|-------------------------|------------|----------|---------|----|
| SetUp Start Time        | Measuremen | nt Alan  | m )     |    |
|                         |            |          |         |    |
| Temperature Ala         | m          |          |         |    |
| Enable                  |            |          |         |    |
| 🗆 High                  | 50         | С        | Hold    |    |
| □ Low                   | 0          | С        | F Hold  |    |
|                         |            |          |         |    |
|                         |            |          |         |    |
| Relative Humidi         | y Alarm    |          |         |    |
| Enable                  | 00         | %        | E usu   |    |
| High                    | 00         | **<br>*/ | F Hold  |    |
| Low                     | 120        | 10       | I Hold  |    |
|                         |            |          |         |    |
|                         |            |          |         |    |
|                         |            |          |         |    |
|                         |            |          |         |    |
| (                       | Cancel     |          | <= Back | Ok |
|                         |            |          |         |    |

Alarm lets you set the High and/or Low Temperature Alarm conditions, and the High and/ or Low Humidity Alarm conditions. Select and set as required, or leave them blank.

#### Click Next.

This will start the logger recording or begin the start delay count down.

# **Reading the EZ Logger**

Start the **MDAS-Pro software** by double clicking on the icon.



| 🖳 Read Logger  |           |  |
|----------------|-----------|--|
| Final Comment  |           |  |
| EZ Logger Read |           |  |
|                |           |  |
|                | Cancel Ok |  |
|                |           |  |

he Final Comment winlow will appear. Enter a lescription of the curent recording that will

| remind          | you     | 🥰 Save an Image File |  |                     |             |           | <b></b>     |
|-----------------|---------|----------------------|--|---------------------|-------------|-----------|-------------|
| what the        | con-    | Com                  | puter + SQ004725V01 (C:) + Users + Public + Publ | ic Documents + Micr | oDL 🕨 Data  | ✓ 4→ Se   | arch P      |
| tents are a     | ata     | 🐚 Organize 👻 🔠 Vi    | ews 🔻 📑 New Folder                               |                     |             |           | w i         |
|                 |         | Favorite Links       | Name   | Date modified       | Туре        | Size Tags | <u></u>     |
| later date      |         | E Documents          | Aerogel Validation 10x10x10 1 gel pack.MP_Lgr    | 4/30/2009 8:58 AM   | MP_LGR File | 3 KB      |             |
|                 |         | GE Recent Places     | Aerogel Validation 10x10x10 3 gel pack.MP_Lgr    | 4/30/2009 9:01 AM   | MP_LGR File | 3 KB      |             |
|                 |         | Deckton              | Alta Bates 1.MP_Lgr                              | 9/9/2009 2:21 PM    | MP_LGR File | 2 KB      |             |
| Click <b>OK</b> |         | Cestop               | Alta Bates Z.MP_Lgr                              | 9/9/2009 3:10 PM    | MP_LGR File | 2 KB      |             |
|                 |         | Computer             | Dry Ice test 8x8 box July 2009.MP_Lgr            | 7/31/2009 10:26 AM  | MP_LGR File | SKB       |             |
|                 |         | F Pictures           | edi-net #1 test.MP_Lgr                           | 7/23/2009 9:54 AM   | MP_LOK File | 2 1 1     |             |
| Give the r      | new/    | Music                | edi-net #3 test.MP Lor                           | 7/7/2009 8:40 AM    | MP LGR File | 3 KB      |             |
|                 | 10.00   | Recently Changed     | edi-net #10 00 test.MP_Lar                       | 7/23/2009 2:49 PM   | MP_LGR File | 2 KB      |             |
| file a unique   | o filo  | E Searches           | edl-net #C 36 test.MP_Lgr                        | 7/23/2009 11:43 AM  | MP_LGR File | 5 KB      |             |
| nic a unique    |         | Jublic Public        | edl-Net New.MP_Lgr                               | 5/11/2009 3:04 PM   | MP_LGR File | 2 KB      |             |
| name            |         |                      | Example Reading M5 & RF2.MP_Lgr                  | 9/2/2009 8:02 AM    | MP_LGR File | 3 KB      |             |
| HEILINC.        |         |                      | EZ Logger Reading Example.MP_Lgr                 | 9/9/2009 12:25 PM   | MP_LGR File | 2 KB      |             |
|                 |         |                      | Integra EZ Logger 071709.MP_Lgr                  | 7/17/2009 1:28 PM   | MP_LGR File | 2 KB      |             |
| The new /       | data    |                      | Kevins 072409.MP_Lgr                             | 7/24/2009 8:49 AM   | MP_LGR File | 19 KB     |             |
| The new (       | uala    |                      | Lascar test.MP_Lgr                               | 5/28/2009 1:10 PM   | MP_LGR File | 2 KB      |             |
| filovillbocc    | a cond  |                      | Logger Test Data 042905.MIP_Lgr                  | 5/28/2009 1:46 PM   | MP_LGR File | 1 KB      |             |
| THE WILL DE 25  | 1760    | Folders              | MS wantenna Test.MP_Lgr                          | 9/14/2009 11:32 AM  | MP_LOR File | 19 KB     |             |
| in the def      | four l+ |                      | E mo reading rugger destingsmir_tigr             | 3/2/2009 1:35 PM    | MP_LON FIE  | 13 KB     |             |
| in the del      | lauit   | File name:           | Z Logger Reading Example.MP_Lgr                  |                     |             |           | -           |
| بالمتعام معارك  |         | Save as type: M      | IP_Lgr (".MP_Lgr)                                |                     |             |           | •           |
| airectory.      |         |                      |  |                     |             |           |             |
| 5               |         | Hide Folders         |  |                     |             |           | Save Cancel |

#### Click Save.

The EZ Logger must contain at least 2 measurements. If you try to read the EZ Logger before it has captured 2 data points you will see this warning. If this window appears click **OK** and wait for more time to pass.



### **GRAPHING OPTIONS**

The software will read the EZ Logger's data and display a plot of the temperature, humidity and relative humidity.

You can use the Menu lcons to change the properties of the plot display. Most of the Menu lcons are toggles to turn properties on or off.



click on the colored rectangle to change the color of any of the plot areas. Click the color and select white. Then click and hold the color and drag it into the plot area.

|   |      | nate • Auto • (SM148.00) Paole Time (J | 5 & Canadal 🔹     |      |
|---|------|--|-------------------|------|
|   |      | Marathon Electron                      | ic MicroDL Logger |      |
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The two icons for vertical and horizontal grid lines turn the grid lines on and off.



The **Legend Icon** turns the Legend area on and off. The legend can be dragged to a different area of the plot.

|     | Handhan Dastania    |                 | Line     | s Style       |
|-----|---------------------|-----------------|----------|---------------|
|     | Marathon Electronic | MICTOLIC Logger |          | Style         |
|     |                     |                 | lcor     | is used       |
|     |                     |                 | to ch    | hange the     |
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|     |                     |                 |          |               |
|     | <br>                |                 | . 40.9   |               |
|     |                     |                 | 45.0     |               |

Clicking on the **Change Line Style Icon** opens the Line Style window.



You can try clicking on the other menu icons.

Another useful option is the **Statistics and Information** in the drop down menu under the Graph icon.



This will open a window showing the details of how the EZ logger was programmed and the data collected.

Click on the **Details box** for complete information.

| EZ Logger Reading Example.    | MP_Lgr v Note Print                         | OK |
|-------------------------------|---|----|
| Data Source                   |   |    |
| C:\Users\Public\Documents\Mic | roDL\Data\EZ Logger Reading Example.MP_Lgr  |    |
| NACKAR STREET                 |   |    |
| Logger                        |   |    |
| Serial Number:                | 10038455                                    |    |
| Description:                  | EZ Logger Test                              | E  |
| Final Comment:                | EZ Logger Read                              |    |
| Time                          |   |    |
| Start Time                    | 9/16/2009 11:08:58 AM Pacific Daulight Time |    |
| Ston Time:                    | 9/16/2009 11:09:38 AM Pacific Daylight Time |    |
| Elapsed Time:                 | 40Sec                                       |    |
| Moscuromonte                  |   |    |
| Cample Internal               | 100   |    |
| Sample merval                 | TUDEC                                       |    |
| Number of Measurements.       | 3   |    |
| Temperature                   |   |    |
| Highest Temperature:          | 27.0C                                       |    |
| Lowest Temperature:           | 27.0C                                       |    |
| Median Temperature:           | 27.0C                                       |    |
| Average Temperature:          | 27.0C                                       |    |
| Mean Kinetic Temperature:     | 27.0C                                       | -  |