

## How To Read MicroDL Temperature Data Loggers



## How To Read MicroDL Temperature Data Loggers

#### **Reading 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. Marathon Products, Inc. MDAS-Pro v2 File Logger Graph Help Logger Initializatio Read Logger ... General Inform 6 1ARATHON PRODUCTS, INC. Real Time Display. Start Logger Stop Recording Alarm Reset Marathon Data Analysis Software Analytical solutions for monitoring the environment. Don't ship without us!" www.marathonproducts.com

.

4) A pop-up box lets the user enter an optional note which will be saved with the data file on the hard drive.

Eg. Read Logger			
Final Comments	ved with data.		
Stop Recording	Cancel		Save to File
	Click on <b>Sav</b> the logger a	<b>ve to File</b> to and save to a	read file.

The note is optional.

## How To Read MicroDL Temperature Data Loggers

#### **Recorded Session Information:**

1) The Read Logger And Save to File window opens.

C Read Logger And Save to File	ULLE MAN	RATH	O.N	×
Libraries > Documents > Public	Documents + MDAS-PRO + Dat	a	- Search Data	Q
Organize 👻 New folder			8= •	0
★ Favorites ■ Desktop	Documents library		Arrange by: Folder	•
Recent Places Downloads	Name	<b>^</b>	Date modified	Size 🔺
	103.MP_Lgr 135.MP Lgr		2/20/2013 2:26 PM 2/20/2013 2:26 PM	-
Cibraries	151.MP_Lgr		2/21/2013 10:22 AM	
Muric	178.MP_Lgr		2/20/2013 2:27 PM	
Pictures	184.MP_Lgr		2/20/2013 2:27 PM	
Videos	185.MP_Lgr		2/20/2013 2:28 PM	
La videos	a 200 2.23.13.MP_Lgr		3/1/2013 10:50 AM	
Computer	200 2.25.13.MP_Lgr		3/1/2013 10:50 AM	M
Mindows7 QS (C:)	200 3.5 PM.MP_Lgr		3/6/2013 10:58 AM	
public (\\svr-mar-dc) (P;)	200 3.5.13.MP_Lgr 3/5/2			013 11:56 AM
B Lenovo Recovery (Q:)	200 3.6.13.MP_Lgr		3/6/2013 10:58 AM	
Microsoft Office Click-to-Run 2010 (Protecter	201 2.23.13.MP_Lgr		3/1/2013 10:49 AM	4
<u> </u>	201 2.25.13.MP_Lgr 3/		3/1/2013 10:49 AM	
1 Network	201 3.5 PM.MP_Lgr		3/6/2013 10:58 AM	
- Handik	a 201 3.5.13.MP_Lgr		3/5/2013 11:56 AM	-
	•			- F
File name: edICO2 08-23-2013 Save as type: Marathon Logger (*.MP_Lgr)				•
) Hide Folders			Save Canc	el
		_		
Enter a distinctive file name.			Click <b>Save</b> .	

2) The software will read the logger and save the data to your hard drive.



3) The data will be plotted and displayed automatically.



## How To Read MicroDL Temperature Data Loggers

### **Recorded Session Information (continued):**

4) Select **Graph/Statistics & Information** to get information on the logger session being displayed.



5) Summary information Report:

ediCO2 08-23-2013.MP_Lgr Data source C:Wsers\Public\Documents\MDAS-	Note Print PR0\Data\edC02.08/23-2013.MP_Lgr			
Logger Serial Number: Tracking Number: Description: Final Comment:	1308202020 2147483647	6) Deta	ailed information R	eport:
Time Start Time: Stop Time: Elansed Time (from Start)	8/22/2013 8:19:00 AM Pacific Daylight Time 8/22/2013 12:47:46 PM Pacific Daylight Time 4/Hr 29Min 46Sec	edIC02 08-23-2013.MP_Lgr	▼ Note Print	Ok
Account of the second s	25ec 833: 806 4.80 4.80 7.70 10 7.70 21.70 21.70	Final Comment Data Imported Financia Version Read by DLL Version Logger Type Purbluton Stop Enable Specific Stop Enable Specific Stop Enable Specific Stop Enable Specific Stop Enable	Police 1.65 1.1.524 A Faile Faile Faile Faile Faile 0	
Alarm Internal Temperature High Temperature : High Time : Low Temperature : Low Time :	Settings Results Disabled Disabled	Time Start Time: Stop Time: Elapsed Time: (from Start): Deley Intervel Before Start Date Logger First Read Date Logger Vars Read Logger Internal Time When Read	9/22/2013 13:19:00 AM Pacilic Daylight Time 8/22/2013 12:47:46 PM Pacilic Daylight Time 4/Hr 28/Hr 46Sec 28-ec Unknown 8/22/2013 9:10:24 AM Pacilic Daylight Time 8/22/2013 9:11:52 AM Pacilic Daylight Time	
		Measurements Sample Interval Compression Efficiency: Number of Measurements: Continuous Memory Number of Channels Number of Active Channels Table	2Sec 93 93 % 8064 Fale 1 135	=
Details		Internal Temperature Highest Temperature Needan Temperature: Median Temperature: Average Temperature: Mean Kinetic Temperature:	4.8C -76.6C -73.1C -63.2C -21.7C	
		Alarm Internal Temperature High Temperature : High Time : Low Temperature : Low Time :	Settings Results Disabled Disabled	
		Alarm Occured	False	



### How To Read MicroDL Temperature Data Loggers

#### **Exporting Data:**

Selected Statistics Report:



User can set the Start Date & Time and End Date & Time for specific intervals.



Data can be exported using the Export function under File menu item.

### How To Read MicroDL Temperature Data Loggers

### **Exporting Data (continued):**



## How To Read MicroDL Temperature Data Loggers

#### **Printing Reports:**



Print	
Microsoft XPS Document Writer	
Microsoft XPS Document Writer Fax	
NPI Protosmant Coolou series NPI8807ED (HP LaserJet P4014) HP LaserJet P4014/P4015 PCL6 Send To OneAlste 2010	Select the printer.
\\PROD8\HP4250_Universal	
Properties Cancel Ok	Click <b>OK.</b>

The graph and report will be printed to file as a hard copy record.

## How To Read MicroDL Temperature Data Loggers

### **Changing the Graph Properties - Understanding the Menu Bar**



#### 1) Select Vertical Grid Icon to add vertical grid lines.



#### 3) Show or Hide in Series Legend:



Click to show or hide in the sidebar.

2) Select Horizontal Grid Icon to add horizontal grid lines.



#### 4) Change to Elapsed Time on X-axis:



This feature is used to compare temperature plots from different time period.

## How To Read MicroDL Temperature Data Loggers

### **Changing the Graph Properties - Understanding the Menu Bar**

5) Select a new color from the drop-down palette: Left click and hold the button down on the rectangle, drag to the portion of the graph where you want to change the color.

Marathon Products, In	2				
Eile gdl EDL-Net Mi	croDL EZLogger Graph Help				
		Automatic • Auto • (UTC-08.00) Pe	cific Time (US & Canada)	•	
		Marathon Electro	nic Data Logger		
10.0					
0.0 -					
-10.0 -					
-20.0 -					
-30.0 -					
S					
-50.0 -					
-60.0 -					
.70.0					
-80.0					
8:19:00A	9:19:00A	10:19:00A Time ( 60 Minute / div, 5/22/2013 5:19:00 AM to T1:ediC02 06-2:	11:19:00A 8/22/2013 1:19:00 PM, Pacific Daylight Time) I-2013.MP_Lgr	12:19	00P

6) Copy the plot to the Clipboard as a bitmap image: The clipboard image can be pasted into an image editor, a Word document or a PowerPoint presentation.



7) Time Zone: Change the Time Zone for the graph by selecting from the drop-down menu.



8) Zoom In/Out:



8a) To Zoom in, left click and hold while dragging cursor.



#### 8b) Right clicking will step out incrementally.

