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"if you're not making sparks...you're not making money"

USB Data Logger Setup and Operation Instructions -2020

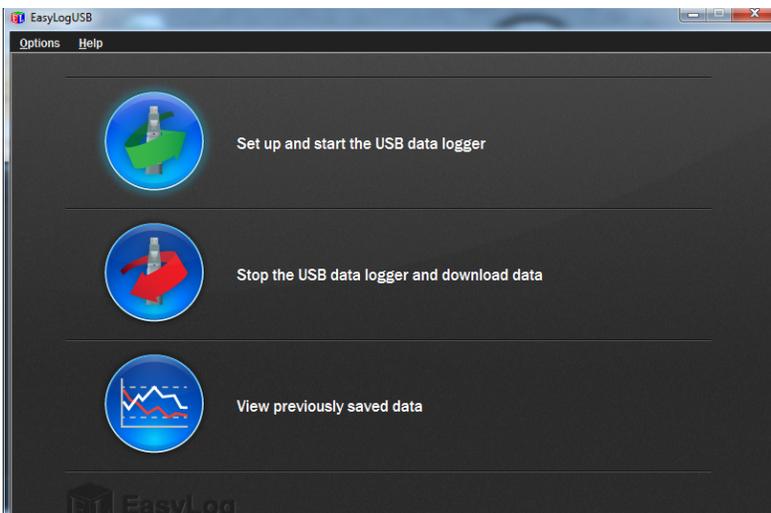
The software that interfaces with your Lascar Data Logger is simple and easy to use. To download go to:

www.lascarelectronics.com

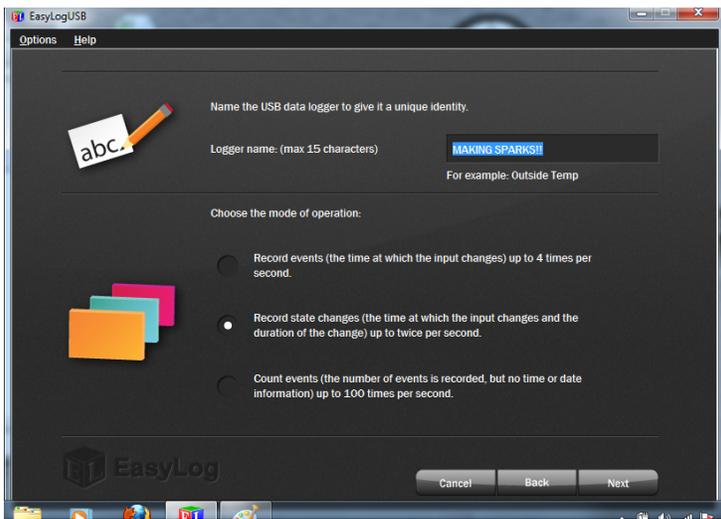
Locate the **“Software”** tab in their banner. Select the **“EasyLog Software”** option. Install the EasyLog USB software using their instructions.

For the purposes of using their device in our application we will set up the data logger to work with our current sensor.

Locate the box **“Set UP”**.



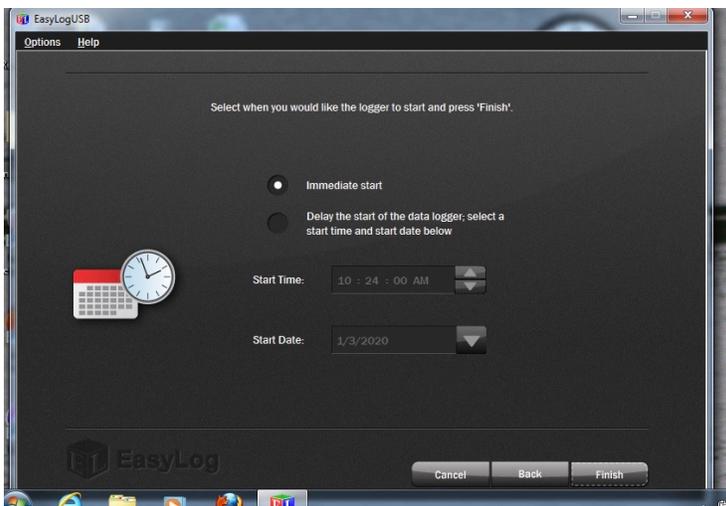
If this is the initial setup click **“YES”**. After the initial setup ensure you have saved the current data on the logger. Continuing will erase the existing data.



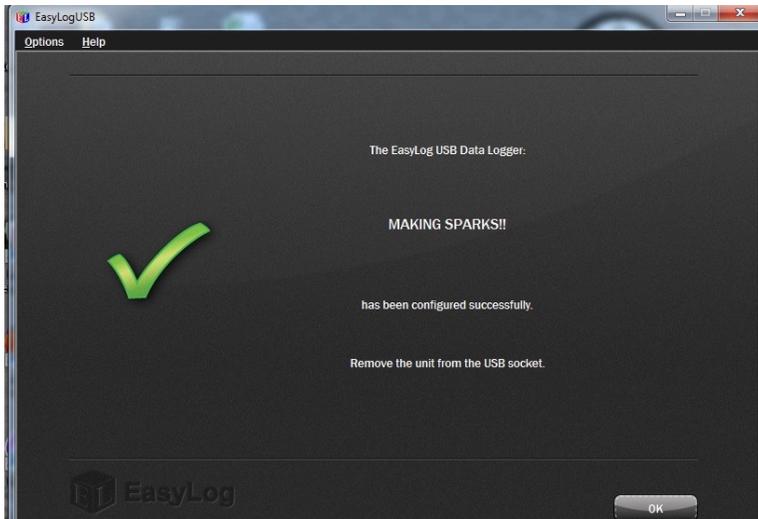
In the top right hand portion of the box is where you can rename the data logger as you chose. In the lower box select the second option “Record state changes...” Then enter “Next”.



The top box “Rising edge”
Second box “Volt free contacts”
Third box Flash red LED “On”
(This option will indicate a brief flash when a data event is triggered and then flash again when it has ended. You may turn off if you wish.)
Enter “Next”.



In this section you have the option of starting the data logger immediately upon removing it from the USB port or delaying the start time to a specific day and or time. Enter “Finish”.



In the last screen just enter **“OK”**.

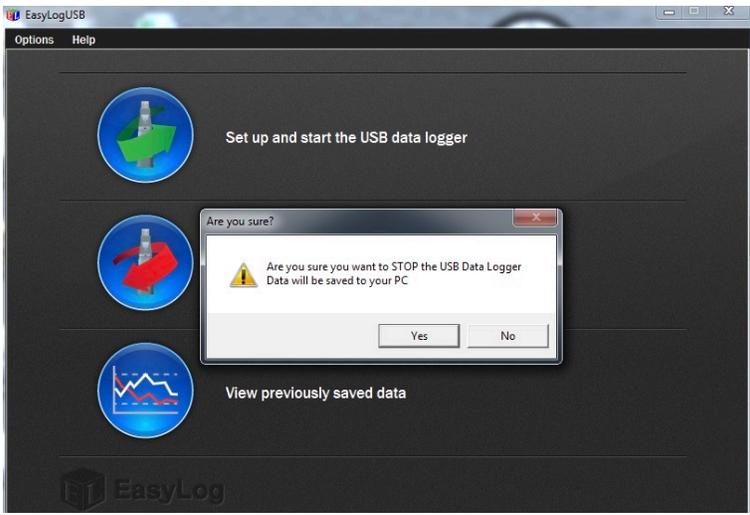
Remove the data logger from your computer and insert it in the arc timer housing USB connector. Ensure the two small arrows on the housing line up or the logger will not engage sensor properly.

Recovering your Weld Data

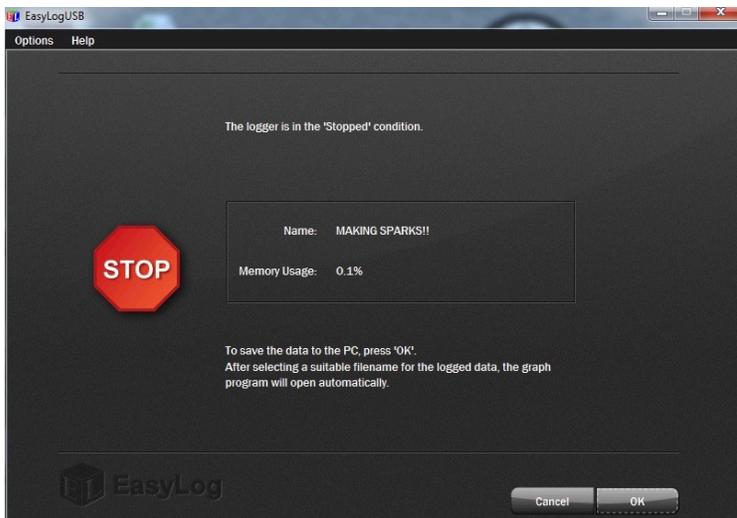


Once you have recorded data and recovered your data logger insert it into your computer's USB port and open the Easy Log USB program.

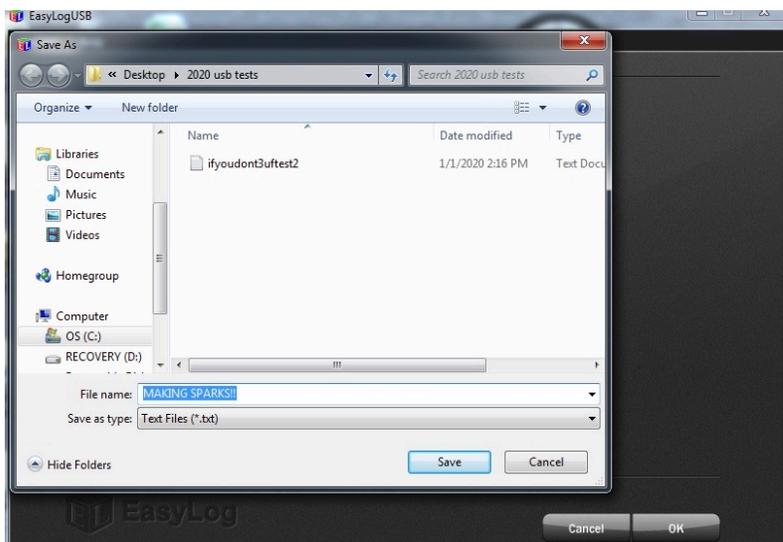
Click **“Stop The USB DATA logger and Download data”**



Select **“YES”**

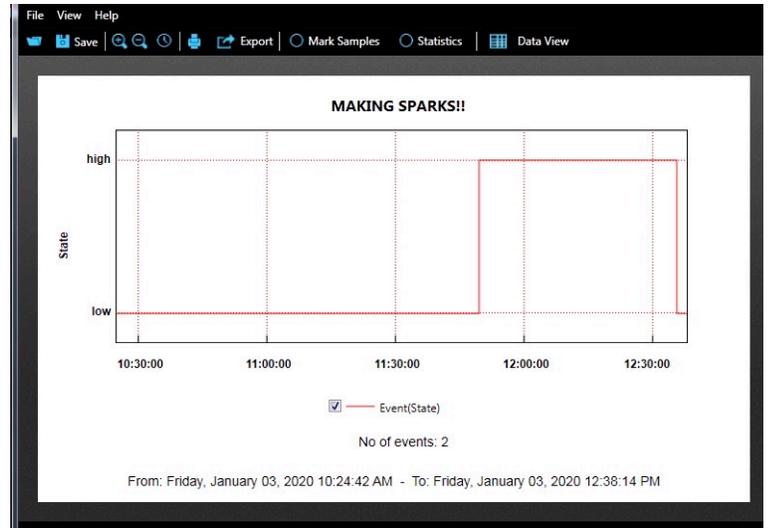


This screen will show you the name you have give the device and the percentage of memory used. Click **“OK”**.



Identify where you wish to store the data to be downloaded and click **“SAVE”**

Once the download is complete there will be a short time lag while the program opens a proprietary graphing program. Once it is open you have an option at the top to view the data as a text file.



The text file that has been saved may be used in the Excel spreadsheet program as the end user see fit.

Reading Date	Event(State)	Comments
2020-01-03 10:24:42.0	0	
2020-01-03 11:49:30.9	1	
2020-01-03 12:35:37.4	0	