

# DK-5000 Series

## Electronic Tally Device

### MIERUZZO BASIC SOFTWARE

## USER'S MANUAL

DK-5005A,	DK-5010A,	DK-5030A
DK-5005B,	DK-5010B,	DK-5030B
DK-5005C,	DK-5010C,	DK-5030C
DK-5005D,	DK-5010D,	DK-5030D

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\*Contents are subject to change even without prior notice.

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## 0 SYSTEM REQUIREMENTS

Below are the minimum system requirements to install and run the **DK-5000 Mieruzzo Basic Software**:

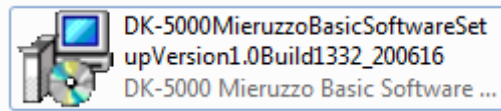
Processor	Pentium 2 266MHz
Operating System	Windows 7, 8, 8.1, 10
Disk Space	Application: 50MB
	Java Runtime Environment: 160MB
Memory	1 GB

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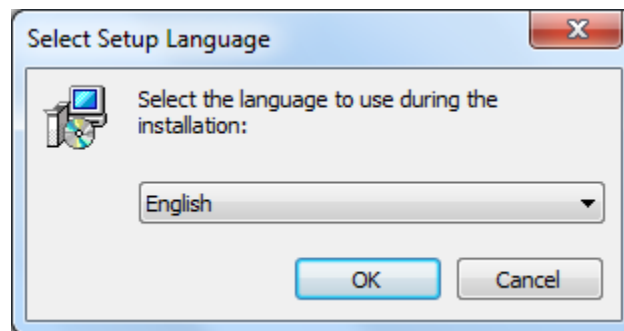
## 1 INSTALLING DK-5000 MIERUZZO BASIC SOFTWARE AND DRIVER

### 1.1 DK-5000 MIERUZZO BASIC SOFTWARE INSTALLATION

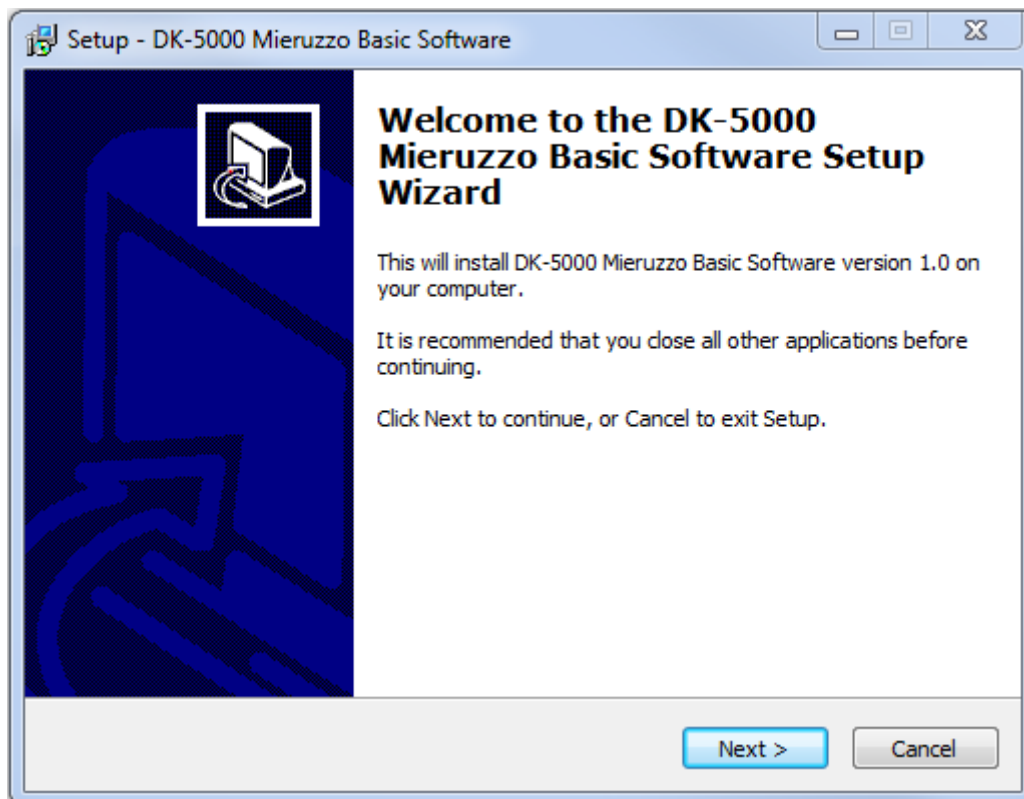
1.1.1 Double-click to run the software installer.



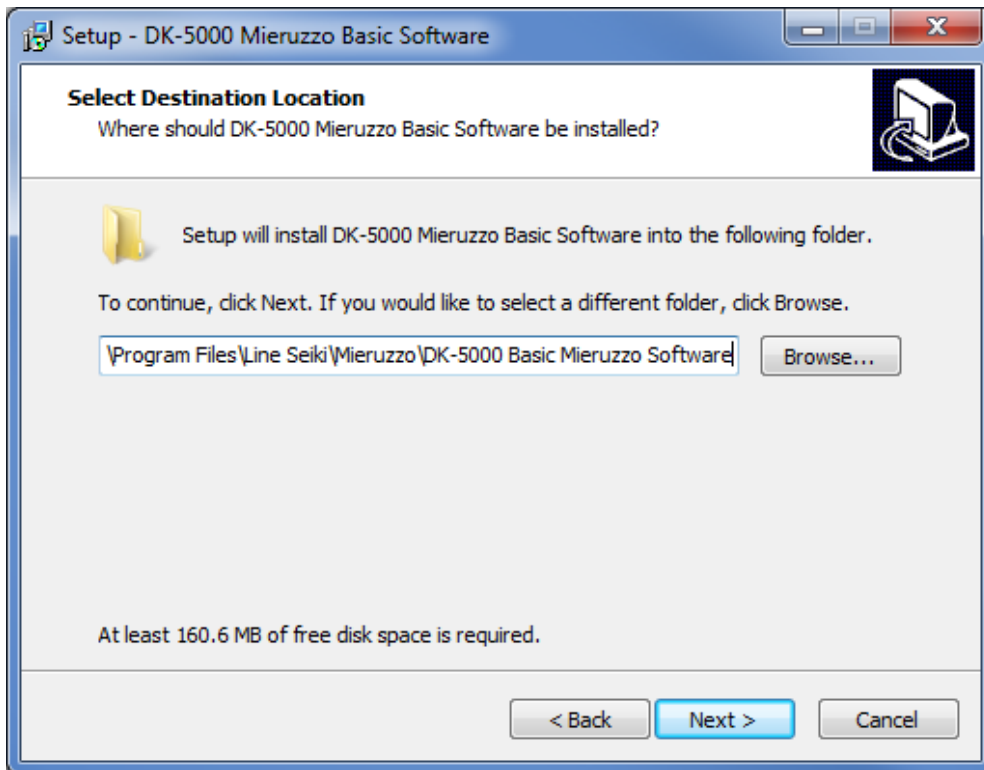
1.1.2 Select the language to use then click OK to continue with the software installation.



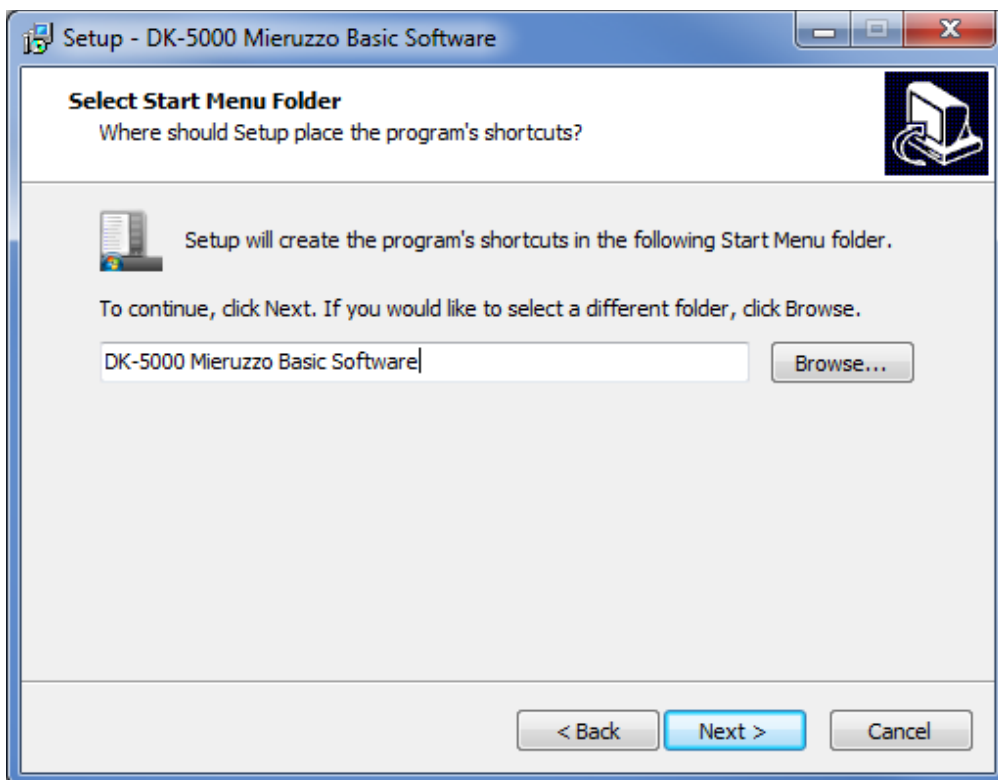
1.1.3 The DK-5000 Mieruzzo Basic Software Setup Wizard will start. Click Next to continue with the software installation.



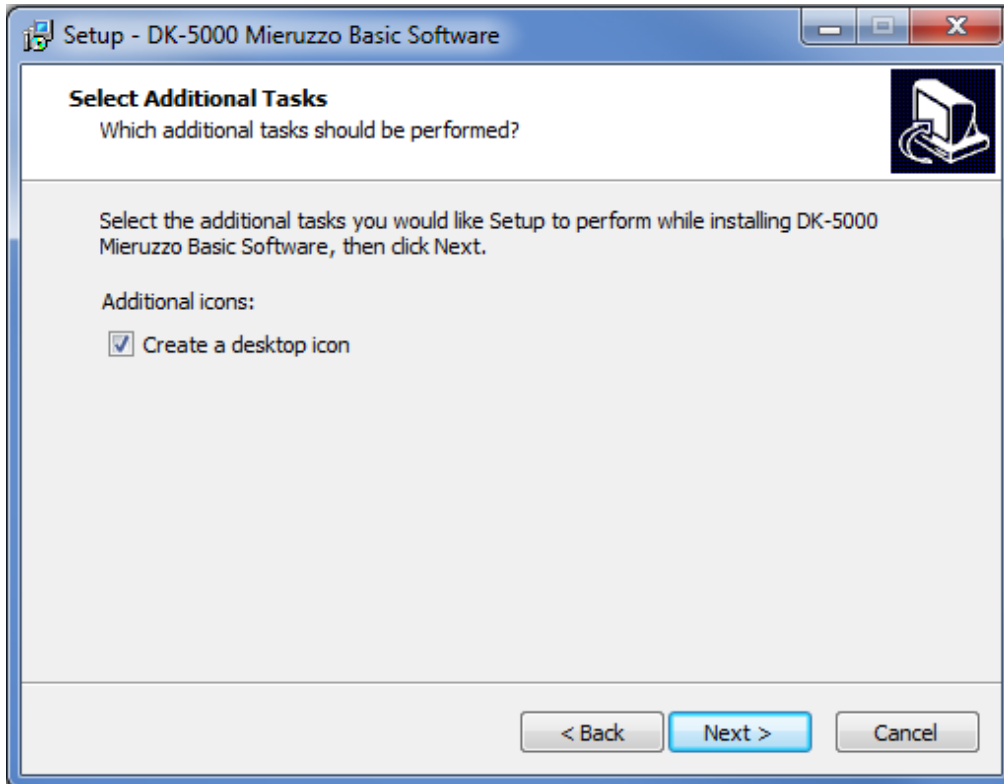
- 1.1.4 Select the default installation folder or browse for a new location. Click Next to continue with the software installation.



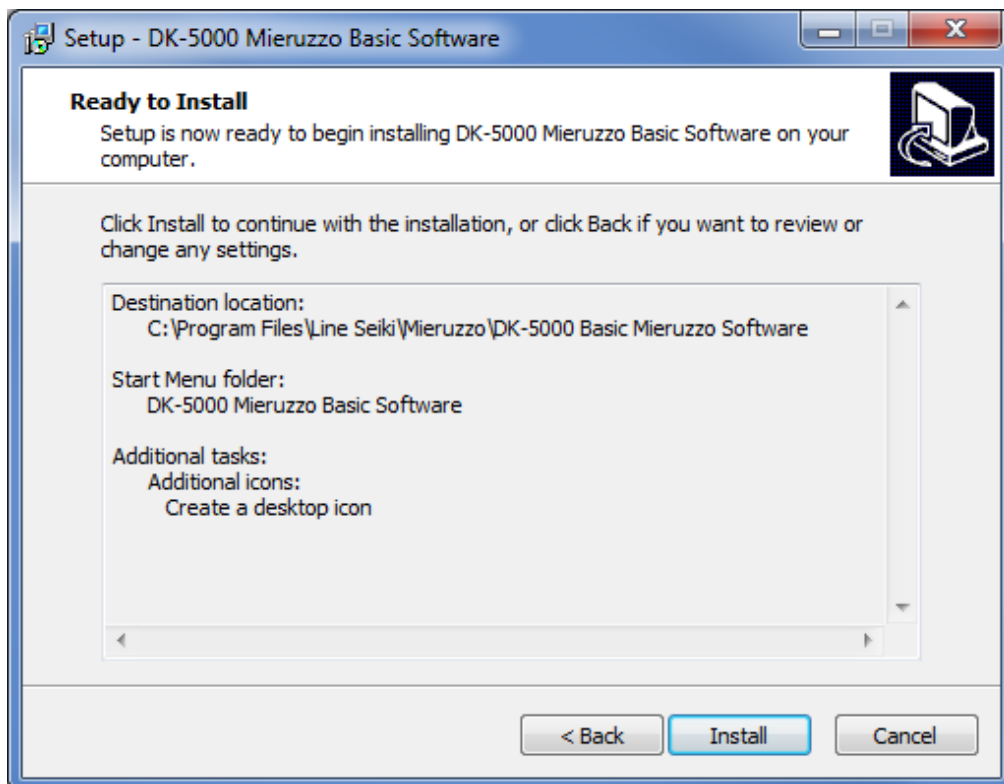
- 1.1.5 Select the default location of program's shortcut or browse for a new location. Click Next to continue with the software installation.



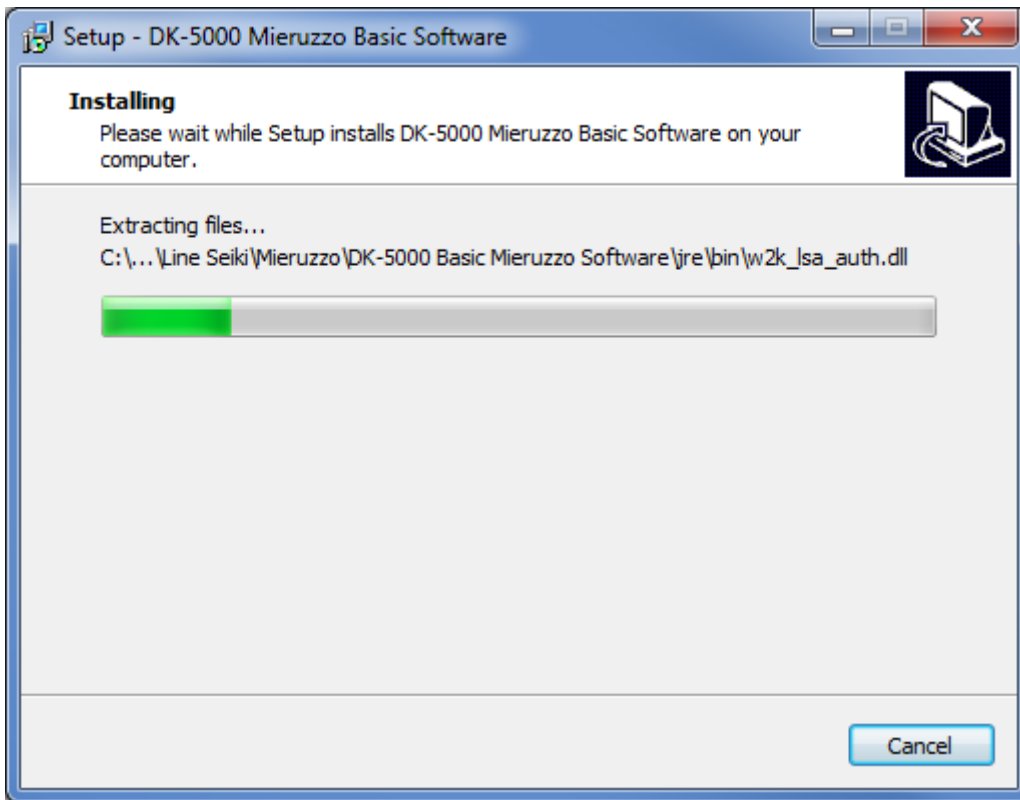
- 1.1.6 Select whether to create or not to create the desktop icon for the software via the checkbox. Click Next to continue.



- 1.1.7 Click Install to continue with the software installation.



A progress bar will show the installation progress.



1.1.8 DK-5000 Series Device Driver Updater will open for the installation of necessary device driver. Click Next to continue.

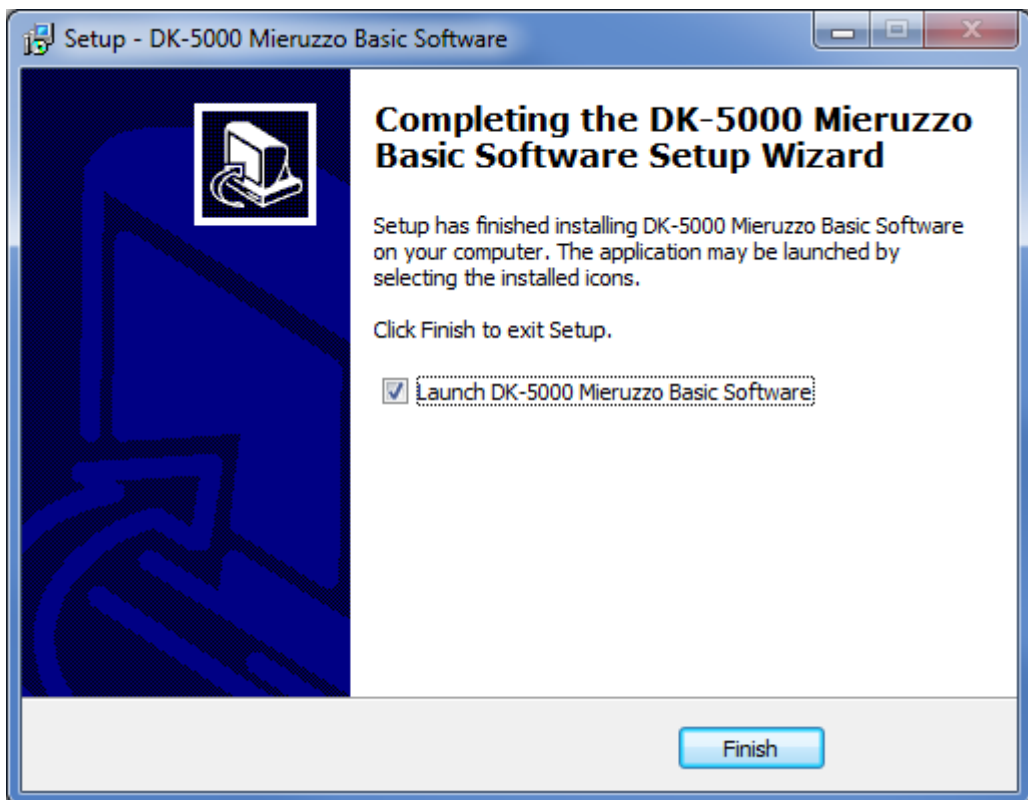




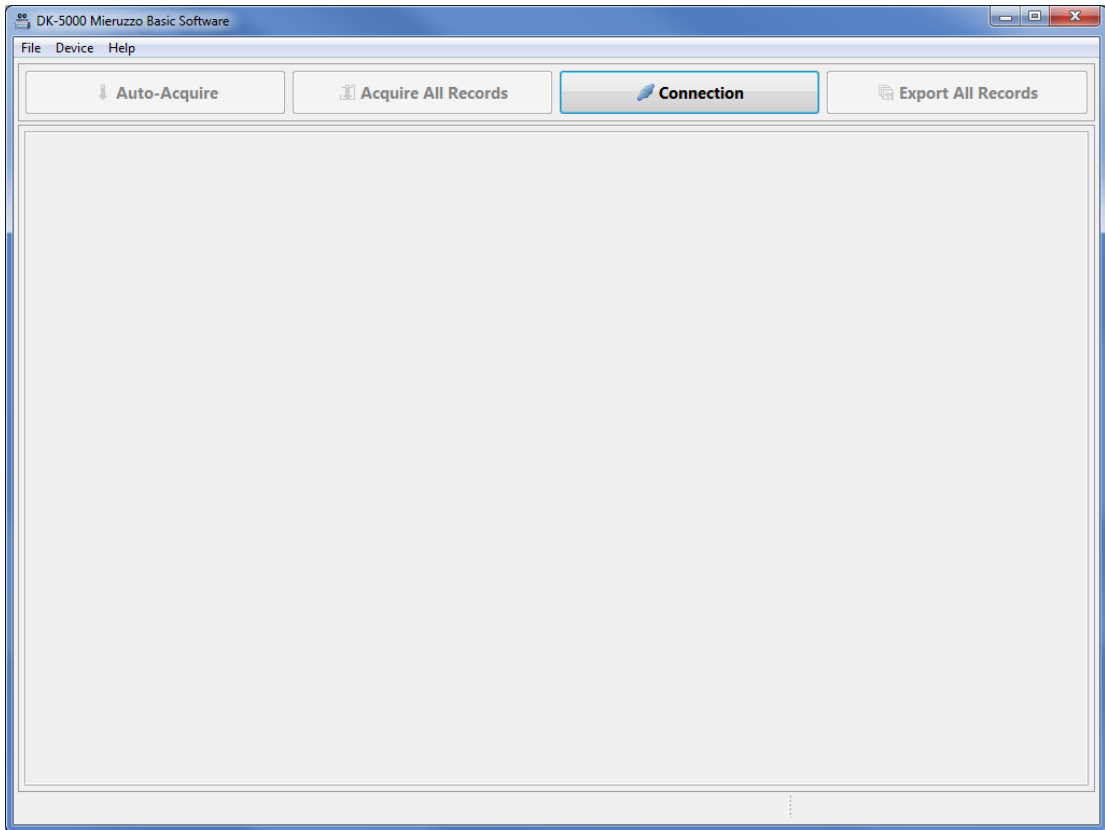
- 1.1.9 The following window will appear upon successful installation of the DK-5000 Series Device Driver. Click Finish to continue.



- 1.1.10 Click Finish to complete the software installation. If Launch DK-5000 Mieruzzo Basic Software is checked, the software will automatically launch.



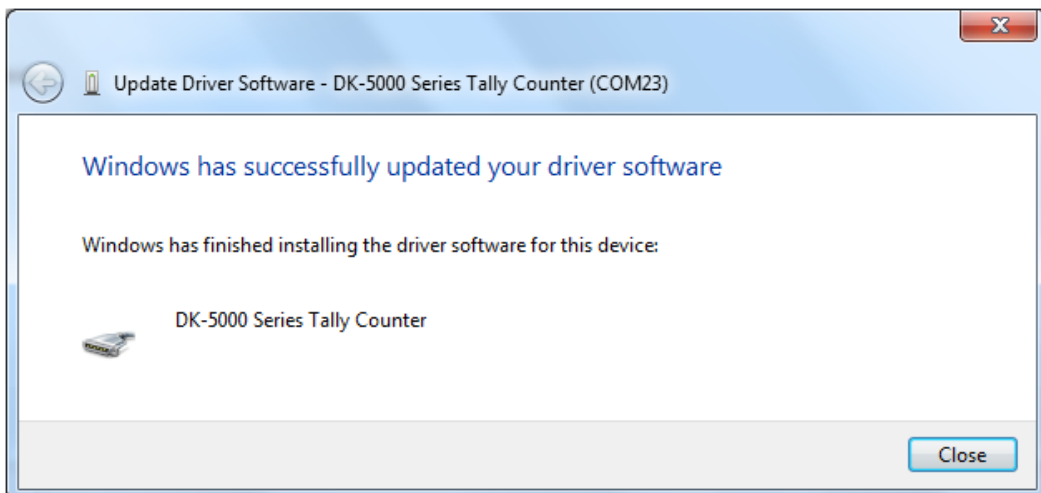
1.1.11 See below image for the default view of the **DK-5000 Mieruzzo Basic Software**.



## 1.2 DK-5000 DEVICE DRIVER

1.2.1 The correct DK-5000 Device Driver is installed together with the DK-5000 Mieruzzo Basic Software.

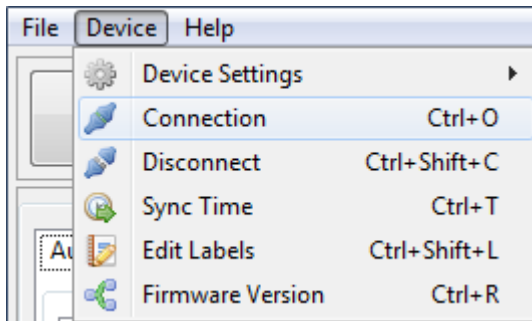
In case there is a need to re-install the device driver, it can be found by selecting the correct driver located in the installation directory of the software. The following message will be shown upon successful installation or update of the device driver.



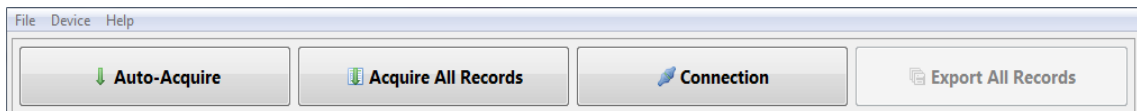
## 2 CONNECTING AND DISCONNECTING A DK-5000 DEVICE

### 2.1 CONNECT A DK-5000 DEVICE

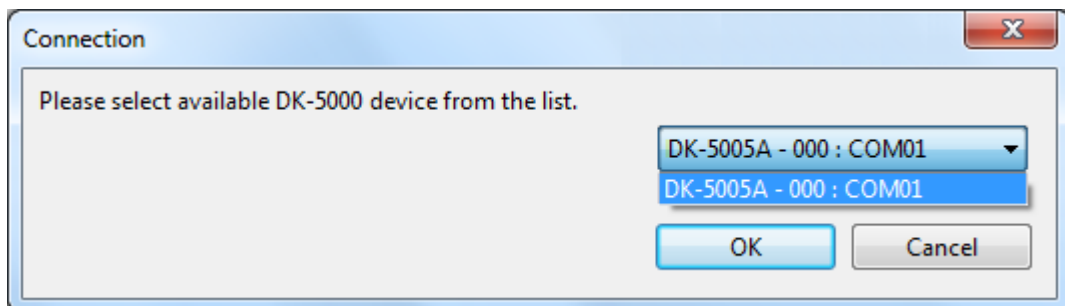
2.1.1 When a DK-5000 device is physically connected to the computer via a USB cable, click **Device** in the menu bar, then select **Connection** (Device > Connection)



or click **Connection** button.

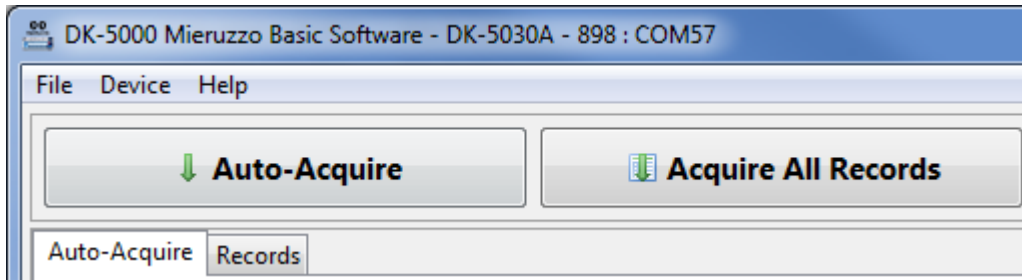


2.1.2 The drop-down button will list all DK-5000 devices available with their corresponding Device ID and COM Port Connection. If there are multiple items in the list, select the device you want to connect.



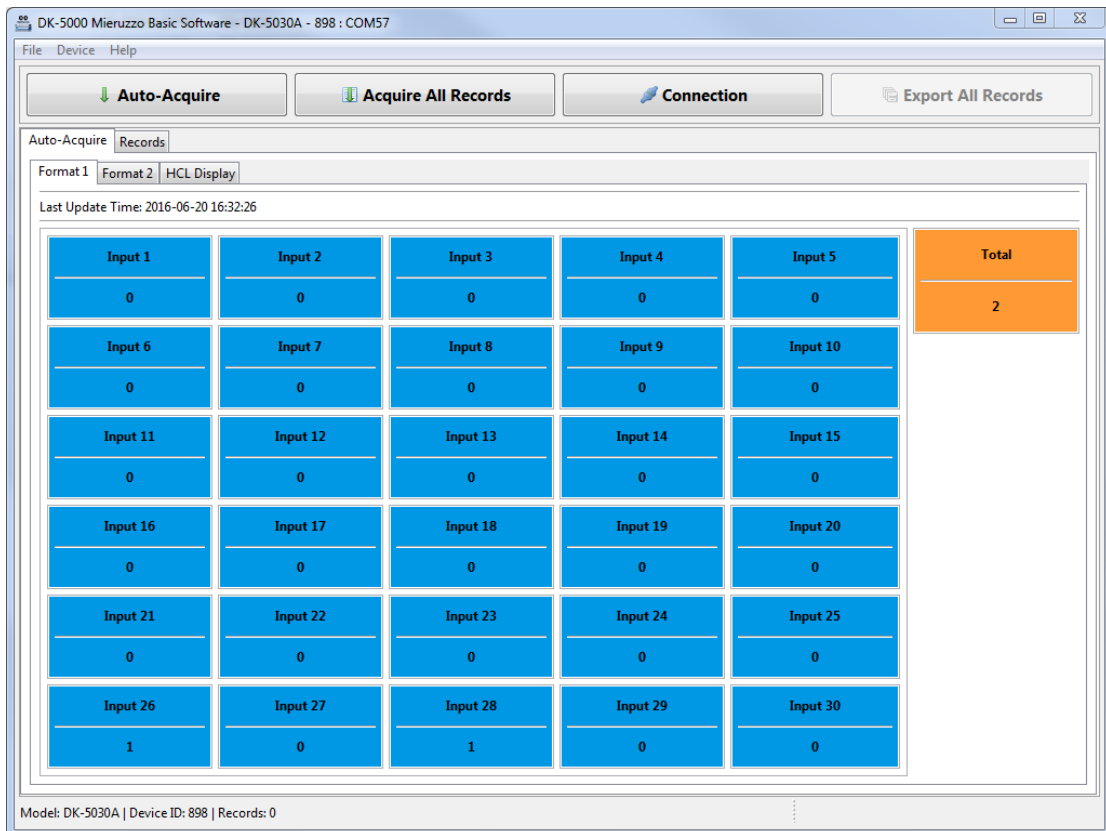
2.1.3 Click **OK** to connect to the selected DK-5000 device.

When the software successfully connects to the selected device, the Title Bar will display the Device ID and COM Port Connection as shown below.

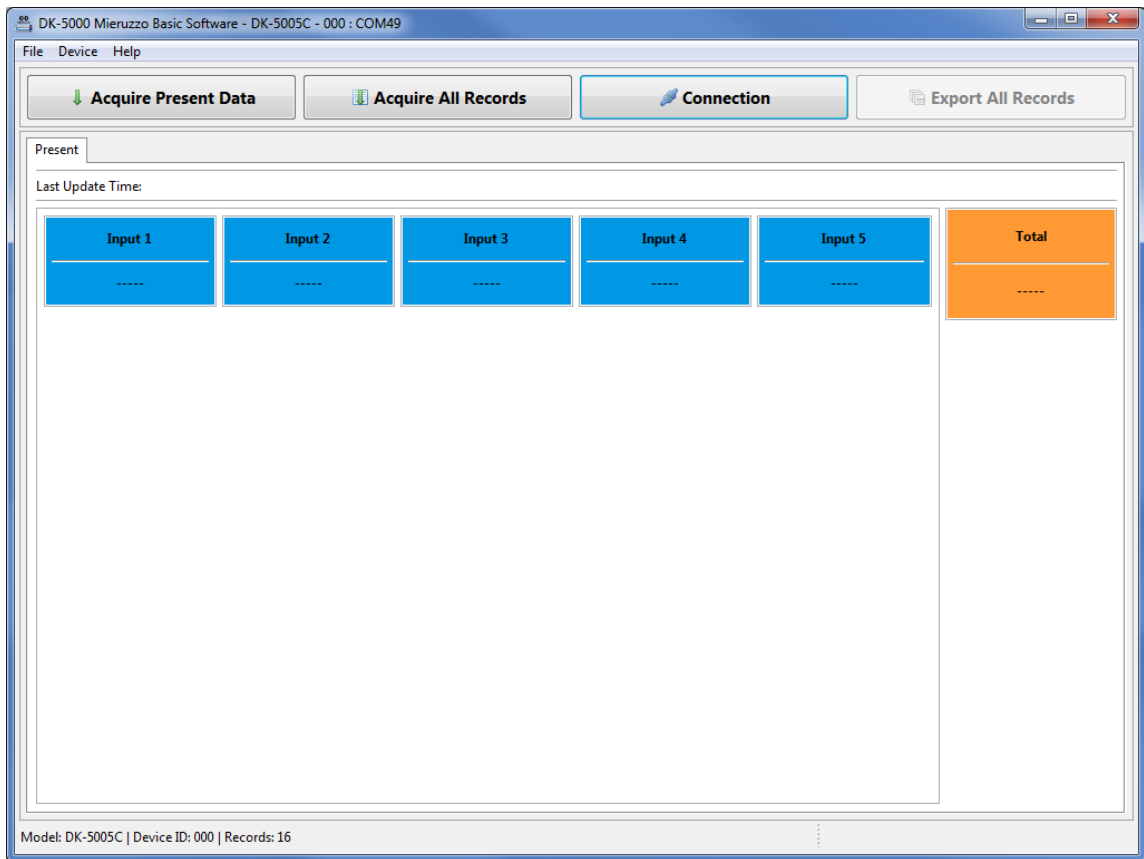


The device details will also be shown in the lower left corner which will show the device model, Device ID, and the number of Records available in the device memory.

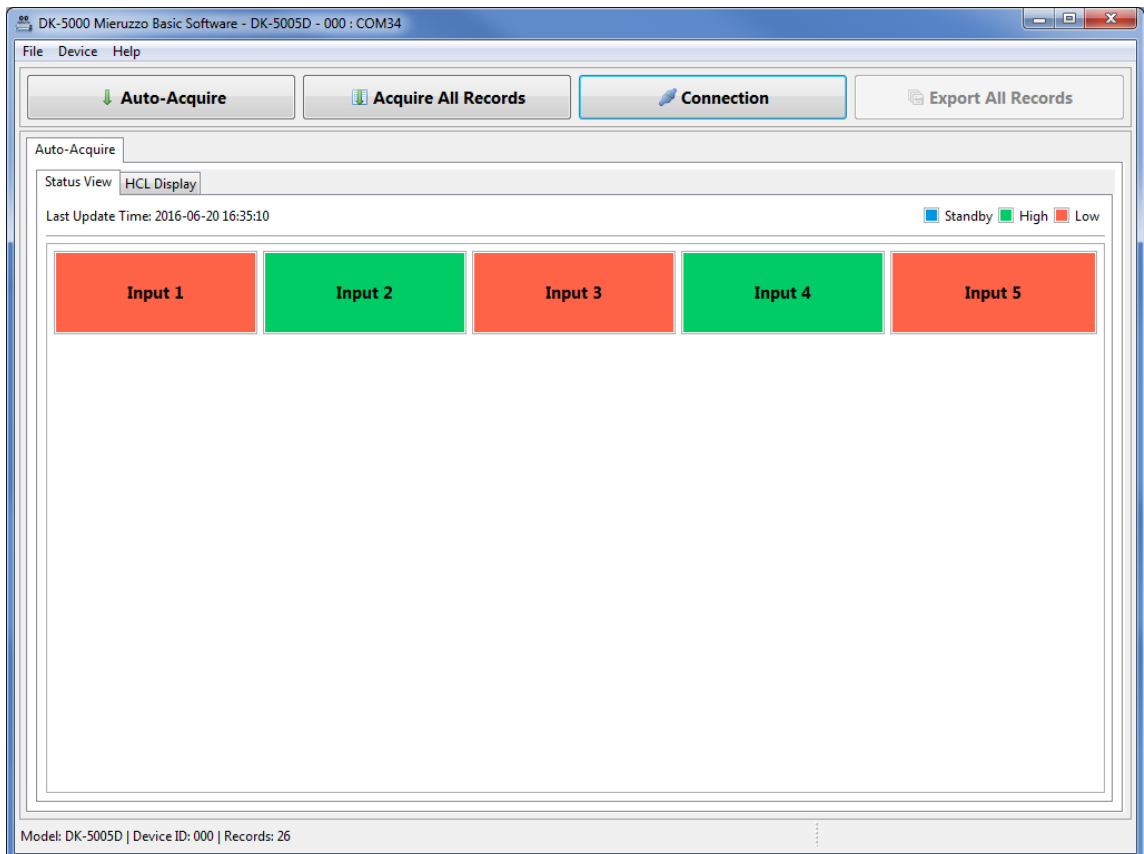
Successful connection to a Type A or Type B device will show the **Auto-Acquire** page.



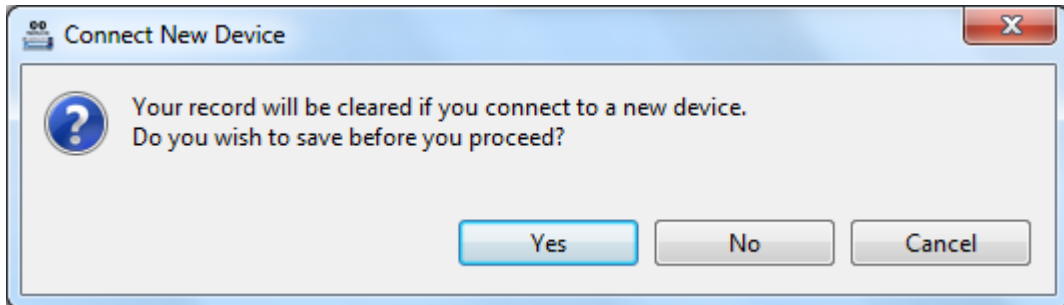
Successful connection to a Type C device will show the Acquire Present page.



Successful connection to a Type D device will show the Auto-Acquire page.



- 2.1.4 If attempting to connect a new device while there are Records from a different device on display, a dialog will appear to confirm if Records will be saved before connecting to the new device.

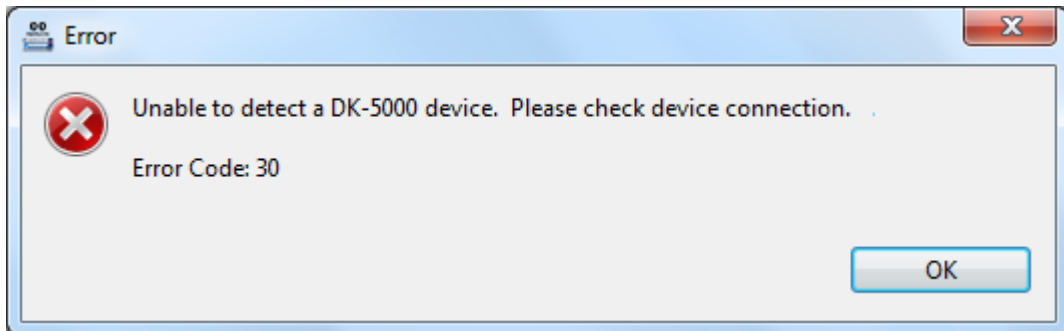


Select Yes to save the displayed Records.

Select No to discard the Records on display and continue connecting to the new device.

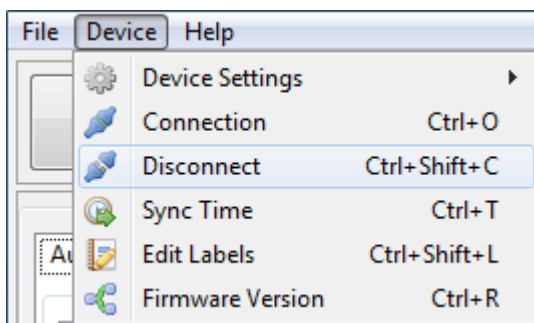
Select Cancel to abort connection to the new device.

- 2.1.5 In cases where no DK-5000 device is detected, an error message will be shown.

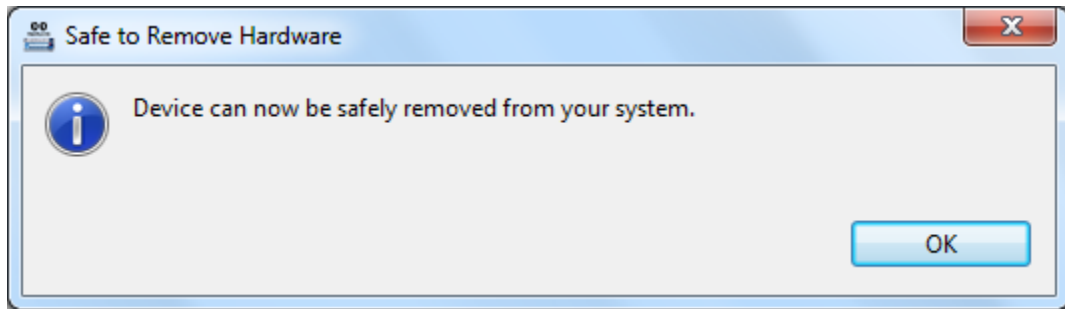


## 2.2 DISCONNECT A DK-5000 DEVICE

- 2.2.1 Click **Device** in the menu bar, and then select **Disconnect** (Device > Disconnect).



A message will appear to confirm disconnection. The DK-5000 can now be physically disconnected from the computer.



## Warning!

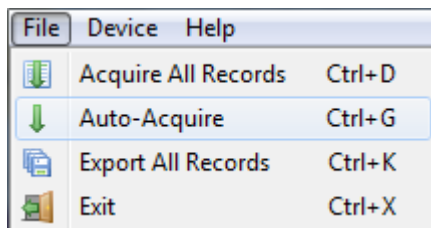
Do not physically disconnect the DK-5000 device from the computer without a Disconnect command and confirmation that the device can be safely removed. This will introduce a huge risk of the software not being able to detect re-connection of the DK-5000 device or new connections of new DK-5000 devices.

## 3 DATA COMMUNICATION WITH DK-5000 DEVICE

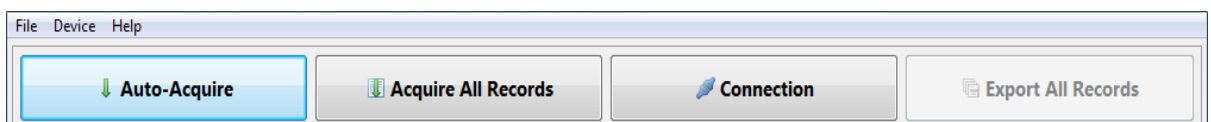
### 3.1 AUTO-ACQUIRE DATA

This function is available in Type A, Type B and Type D DK-5000 devices only. Software will show the present data displayed on the DK-5000 device, and will automatically refresh every 1 second.

3.1.1 Click **File** in the menu bar, and then select **Auto-Acquire** (File > Auto-Acquire).



Or click **Auto-Acquire** button.



3.1.2 A successful Auto-Acquire command will show the present data displayed on the DK-5000 device, and the display will be automatically updated every 1 second. The Last Update Time of the display is also shown.

There are two display formats available for Type A and B. Click the corresponding tab to select the preferred display format.

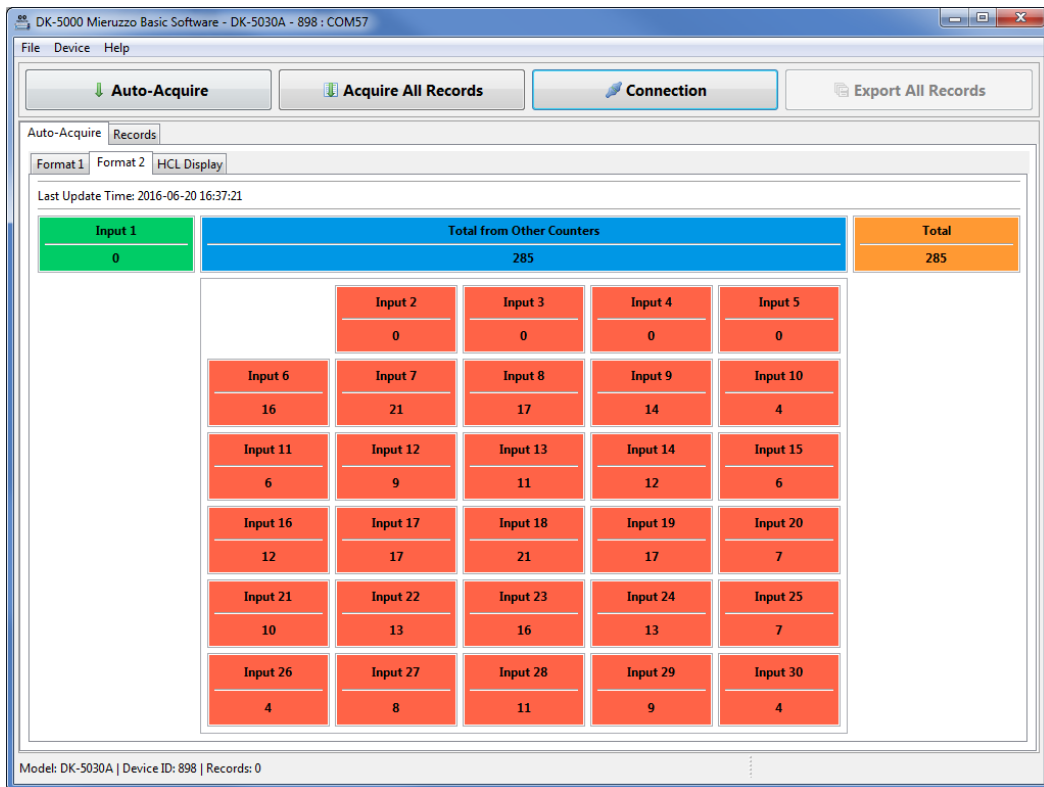
Format 1 shows the individual values of each Inputs on the left side, and the total of all Inputs or Inputs on the right side.

The screenshot shows the 'DK-5000 Mieruzzo Basic Software' window. At the top, there are buttons for 'Auto-Acquire', 'Acquire All Records', 'Connection', and 'Export All Records'. Below these are tabs for 'Auto-Acquire' and 'Records'. Under 'Auto-Acquire', there are sub-tabs for 'Format 1', 'Format 2', and 'HCL Display'. The 'Format 1' tab is active, displaying a table of input values. The 'Last Update Time' is shown as 2016-06-20 16:36:45. The table has 30 columns labeled 'Input 1' through 'Input 30' and one column labeled 'Total'. The values for the 30 inputs are: 0, 0, 0, 0, 0, 16, 21, 17, 14, 4, 6, 9, 11, 12, 6, 12, 17, 21, 17, 7, 10, 13, 16, 13, 7, 4, 8, 11, 9, 4. The 'Total' value is 285. At the bottom of the window, it says 'Model: DK-5030A | Device ID: 898 | Records: 0'.

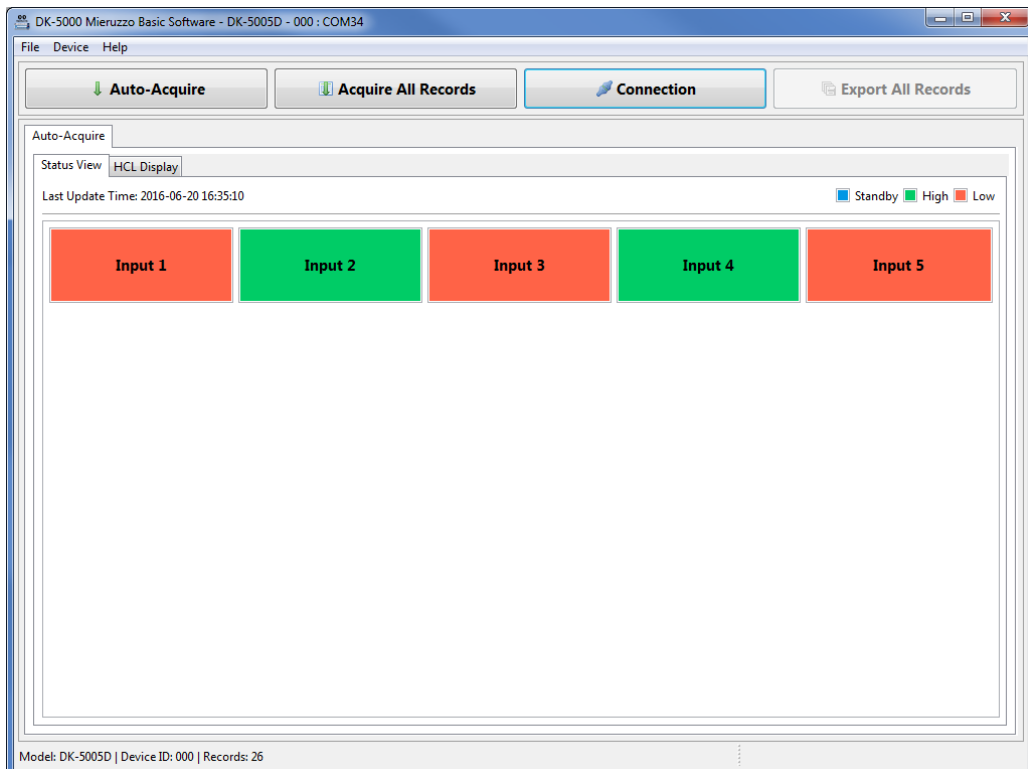
Input 1	Input 2	Input 3	Input 4	Input 5	Total
0	0	0	0	0	285
Input 6	Input 7	Input 8	Input 9	Input 10	
16	21	17	14	4	
Input 11	Input 12	Input 13	Input 14	Input 15	
6	9	11	12	6	
Input 16	Input 17	Input 18	Input 19	Input 20	
12	17	21	17	7	
Input 21	Input 22	Input 23	Input 24	Input 25	
10	13	16	13	7	
Input 26	Input 27	Input 28	Input 29	Input 30	
4	8	11	9	4	



Format 2 shows the value of Input 1 on the left side, total and individual values of other Inputs in the middle, and total of all Inputs on the right side.



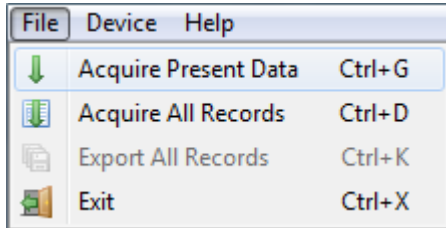
For Type D, there is only one format for Auto-Acquire. A display legend is available to determine the status of each Input. (Green = High, Red = Low and Blue = Stand by).



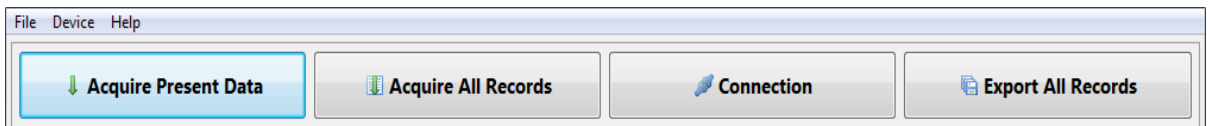
## 3.2 ACQUIRE PRESENT DATA

This function is available in Type C DK-5000 devices only. Software will show the present data displayed on the DK-5000 device.

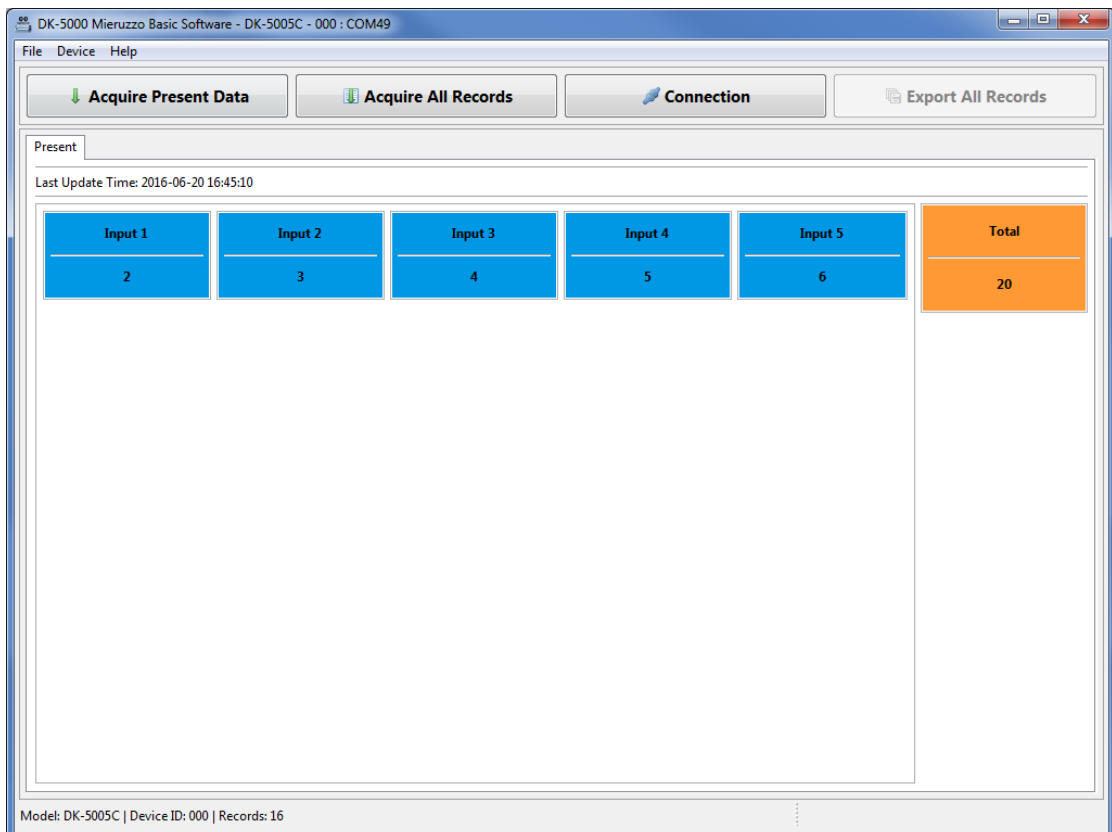
- 3.2.1 Click **File** in the menu bar, and then select **Acquire Present Data** (File > Acquire Present Data).



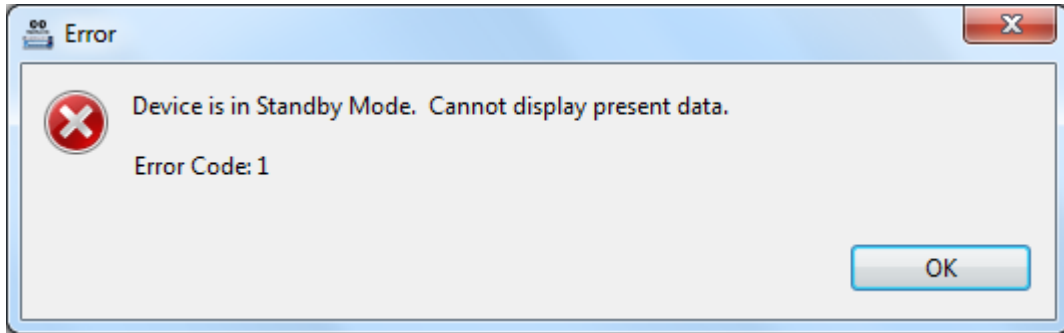
or click **Acquire Present Data** button.



- 3.2.2 A successful **Acquire Present Data** command will show the present data displayed on the DK-5000 device. Additionally, it will update the number of Records shown in the device details.



3.2.3 This function can be executed only when device is in Count Mode. If Acquire Present was attempted while device is in Standby Mode, an error message will be shown.



## 3.3 HISTORICAL COUNT LIST

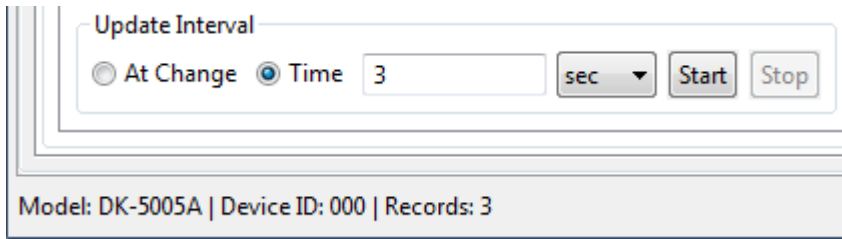
This function is available for Type A, B and D DK-5000 devices. The software will show the list of ongoing count values from DK-5000 device. The view will automatically take data from the device every second for display according to user-set interval upon connection to the device.

3.3.1 To view the Historical Count List, click the HCL Display tab from the Auto Acquire view.

	Update Time	Total	Input 1	Input 2	Input 3	Input 4	Input 5
1	2016-05-03 14:16:44	120	19	22	29	19	31
2	2016-05-03 14:16:45	120	19	22	29	19	31
3	2016-05-03 14:16:46	120	19	22	29	19	31
4	2016-05-03 14:16:47	120	19	22	29	19	31
5	2016-05-03 14:16:48	120	19	22	29	19	31
6	2016-05-03 14:16:49	131	21	24	32	21	33
7	2016-05-03 14:16:50	147	24	27	35	25	36
8	2016-05-03 14:16:51	163	28	31	38	27	39
9	2016-05-03 14:16:52	180	31	34	41	31	43
10	2016-05-03 14:16:53	196	34	37	45	34	46
11	2016-05-03 14:16:54	223	39	45	51	38	50
12	2016-05-03 14:16:55	239	41	50	55	39	54
13	2016-05-03 14:16:56	246	41	51	56	42	56
14	2016-05-03 14:16:57	246	41	51	56	42	56
15	2016-05-03 14:16:58	246	41	51	56	42	56

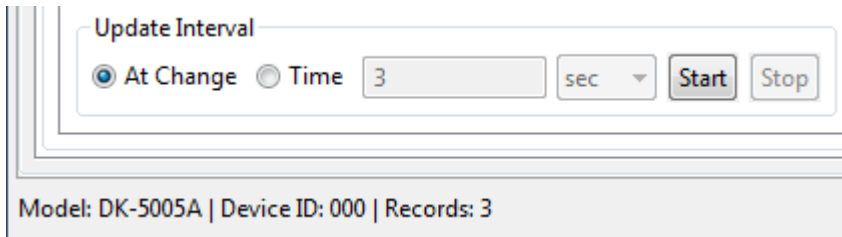
Update Interval:  At Change  Time 1 sec      Auto Scroll

3.3.2 To start populating the list, select the **Interval Type**, either **At Change** or **Time**. If **Time** is selected, the user needs to input the value in the textbox and select the unit of time (sec, min or hr) from the dropdown menu and then click **Start** button.

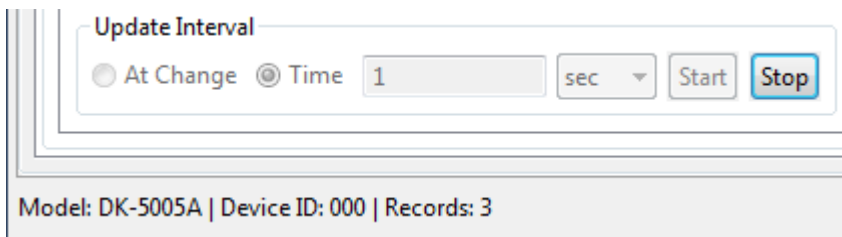


3.3.3 The default **Interval Type** is set to **At Change** which means the table will update once there is a change in the current value displayed in the DK-5000 device.

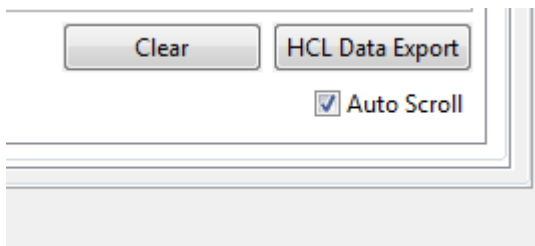
If **At Change** is selected, the textbox for time input and the dropdown menu for unit will be automatically disabled.



3.3.4 To stop the table from updating, click **Stop** button.

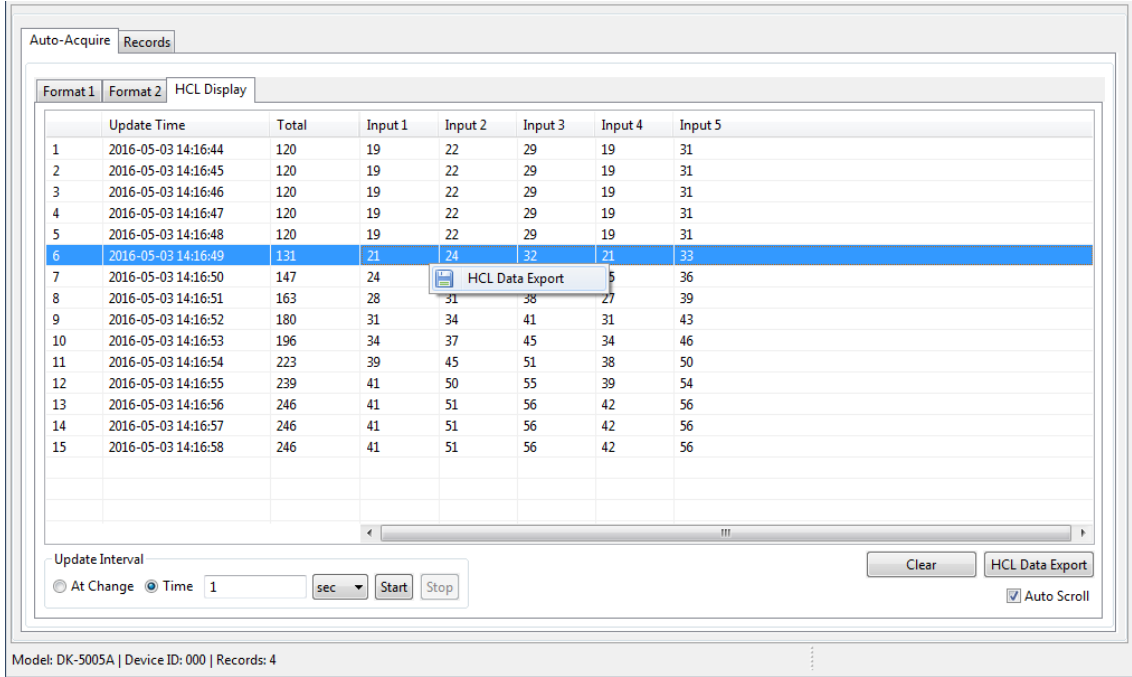


3.3.5 By default the History Count List table is set to **Auto Scroll**. This feature allows the table to automatically scroll to the latest table item. To enable and disable this feature, click **Auto Scroll** checkbox.



3.3.6 To clear the History Count List table, click **Clear** button.

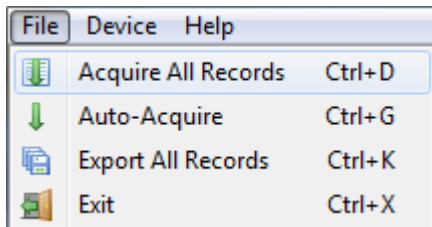
3.3.7 To export the table to Excel or CSV file, click the **HCL Data Export** button or right click on the table and click **HCL Data Export**.



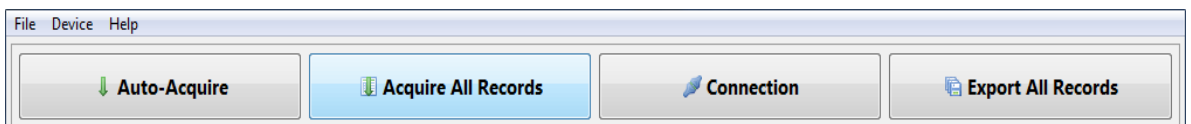
## 3.4 ACQUIRE ALL RECORDS

This function enables the software to show all the records saved in the memory of DK-5000 devices. All Record details can be viewed and there is also an option to export Records to a spreadsheet or delete a specific Record.

3.4.1 Click **File** in the menu bar, and then select **Acquire All Records** (File > Acquire All Records).



Or click **Acquire All Records** button.



3.4.2 A successful Acquire All Records command will show all the records saved in the memory of the DK-5000 device. Additionally, it will update the number of Records shown in the displayed device details.

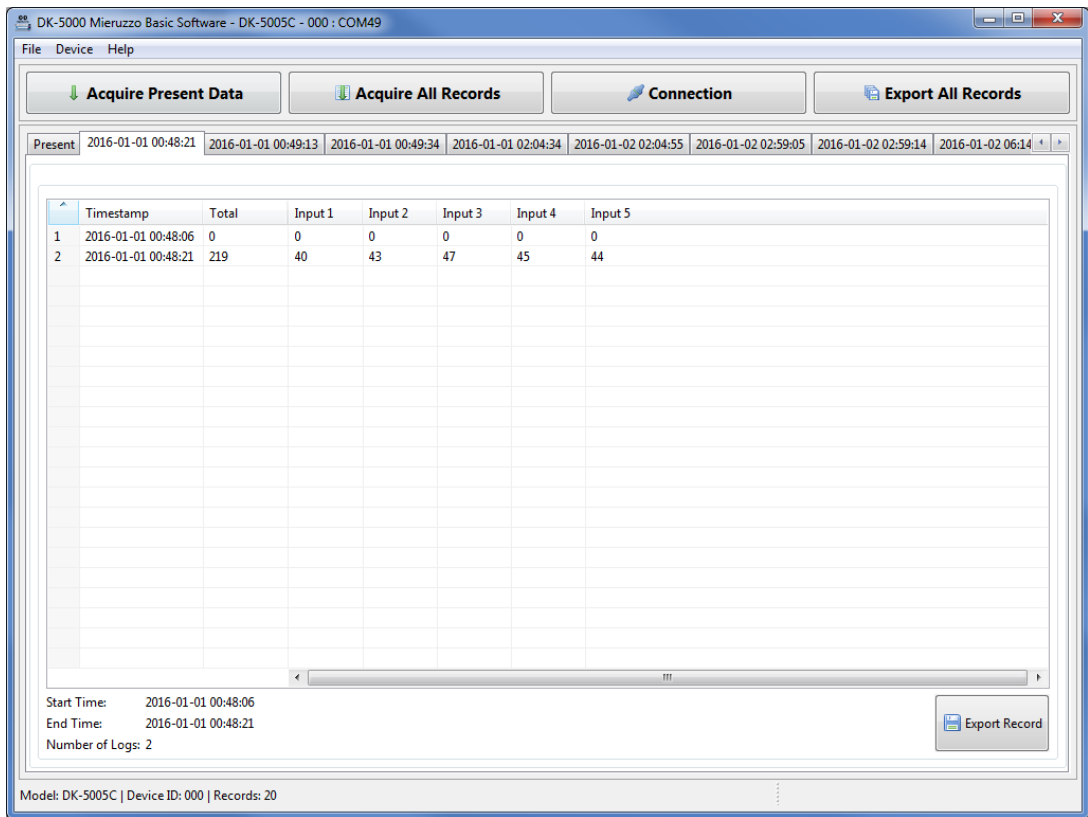
For a Type A device, all Records are listed in a single table.

The screenshot shows the 'DK-5000 Mieruzzo Basic Software - DK-5030A - 898 : COM57' window. It features a menu bar (File, Device, Help) and four main buttons: 'Auto-Acquire', 'Acquire All Records', 'Connection', and 'Export All Records'. Below these is a tabbed interface with 'Auto-Acquire' and 'Records' tabs. The 'Records' tab displays a table with the following data:

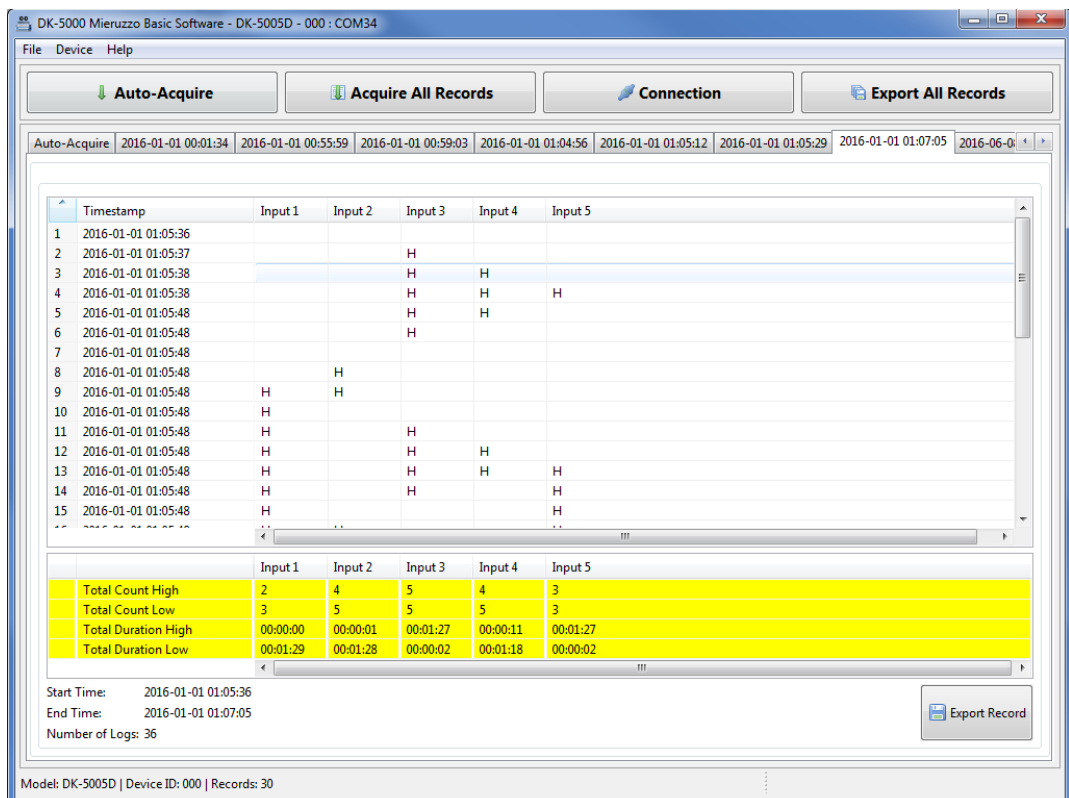
	Timestamp	Total	Input 1	Input 2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10	Input 11
1	2016-06-17 16:03:50	285	0	0	0	0	0	16	21	17	14	4	6
2	2016-06-17 16:03:58	16	0	0	0	0	1	5	4	3	0	1	0
3	2016-06-17 16:04:04	66	0	1	0	1	0	1	1	2	4	1	1
4	2016-06-17 16:04:07	0	0	0	0	0	0	0	0	0	0	0	0
5	2016-06-17 16:04:11	69	0	0	0	0	0	1	3	3	1	0	2
6	2016-06-17 16:04:17	72	0	2	2	0	0	1	3	3	3	2	3
7	2016-06-17 16:04:22	91	0	0	0	0	0	1	2	3	3	0	2
8	2016-06-17 16:04:35	0	0	0	0	0	0	0	0	0	0	0	0

At the bottom of the window, the status bar reads: 'Model: DK-5030A | Device ID: 898 | Records: 8'.

For Type B and Type C devices, each Record is shown as a separate table. Each table shows a list of all the logs inside that Record.



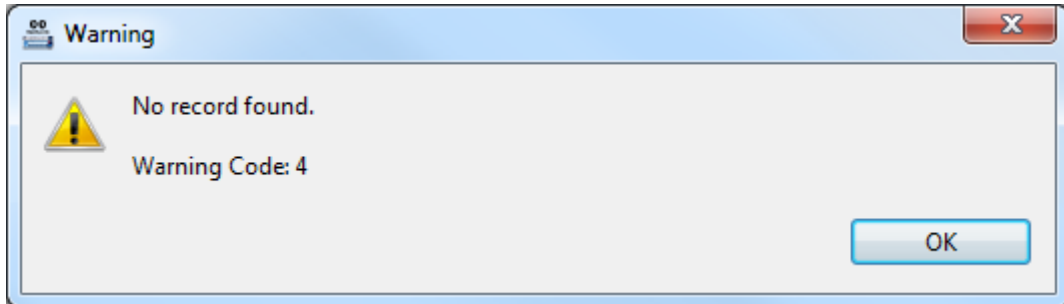
For Type D devices, each record will also be shown as a separate table but with an additional table below, containing the summary of the main table.



3.4.3 The software will display messages for three (3) conditions that indicate the status of available memory on the device.

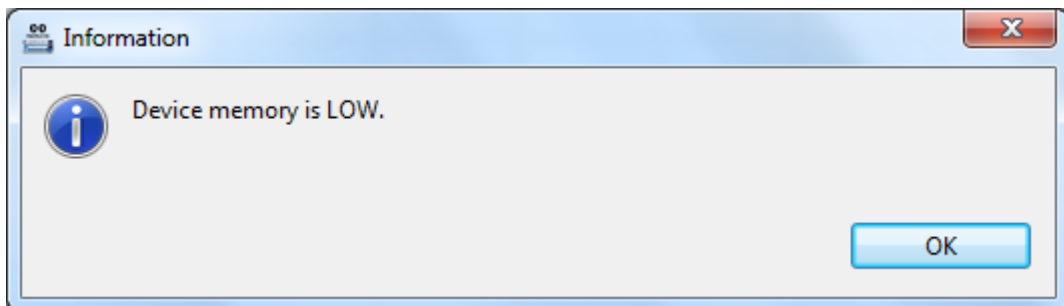
### 3.4.3.1 No Records In Memory

A warning message will be displayed to indicate that Acquire All Records is attempted but there are no Records saved in the device memory.



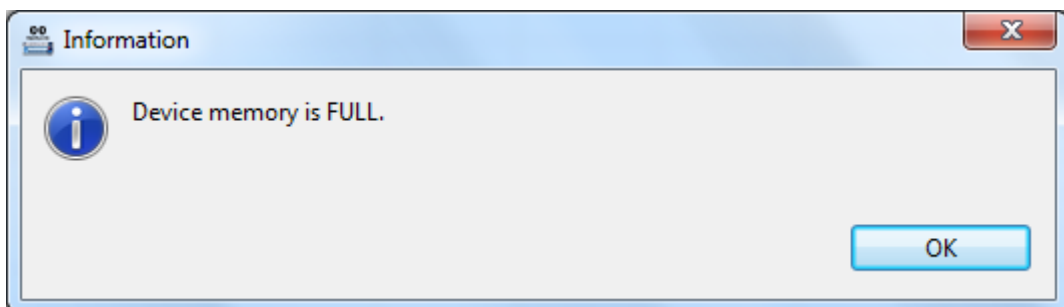
### 3.4.3.2 Device Memory Low

"Memory Low" message will be displayed if device memory usage is between 80% - 100%.



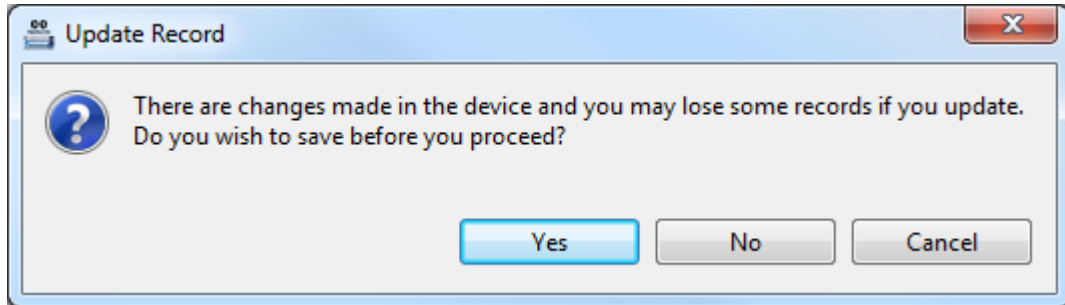
### 3.4.3.3 Device Memory Full

"Memory Full" message will be displayed if 100% of device memory is used. This serves as a warning to backup data by exporting to an .XLS or .CSV file, and free up device memory by deleting old Records. When memory is full, the device will automatically delete the oldest Record to free up memory when additional memory for new Records is needed.





- 3.4.4 If Acquire All Records is pressed while the Records in the device are already on display because of a prior Acquire All Records command, the software will check if there are new Records or if there are changes in the device. If the Records in the device do not match the Records on display, a dialog will appear to confirm if Records will be saved before acquiring Records.



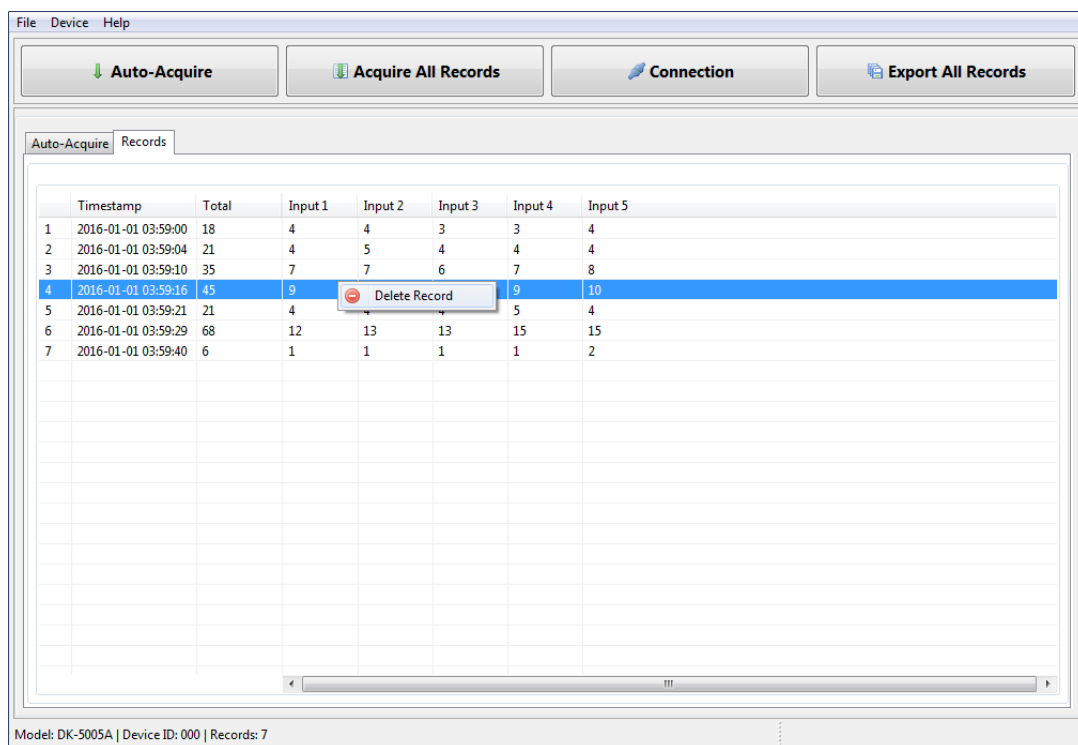
Select Yes to save the displayed Records. Follow the export procedure.

Select No to discard the Records on display and continue acquiring new Records.

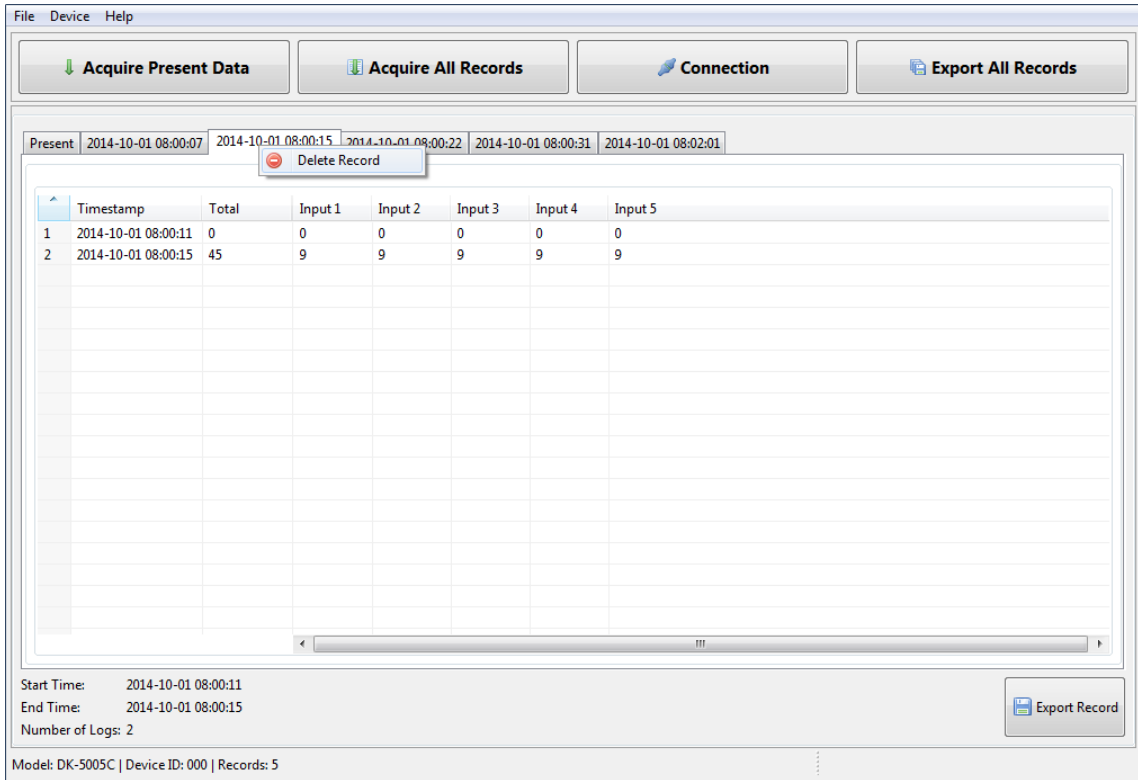
Select Cancel to abort acquiring all Records.

## 3.5 DELETE A SPECIFIC RECORD IN DK-5000 DEVICE

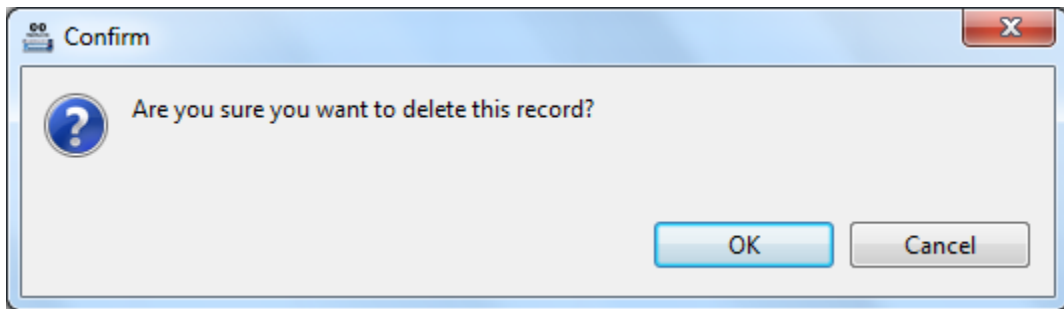
- 3.5.1 To delete a specific record in a Type A device, right-click on the Record to be deleted, and then select **Delete Record**.



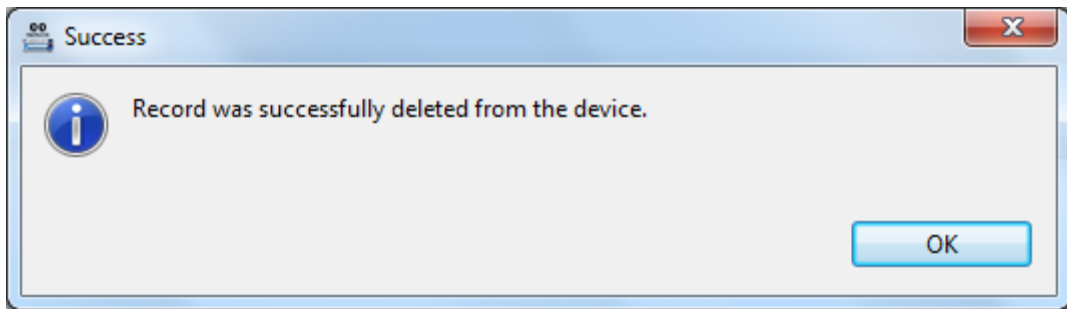
To delete a Record in Type B, C or D devices, right-click on the Tab Title of the Record to be deleted, and then select **Delete Record**.



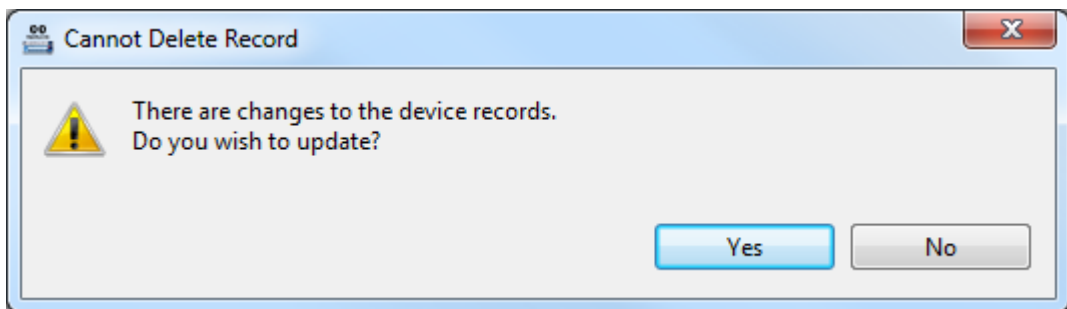
3.5.2 A dialog will appear to confirm the requested command.



- 3.5.3 Click **OK** to delete selected record. The following message will appear to confirm that the Record was successfully deleted.



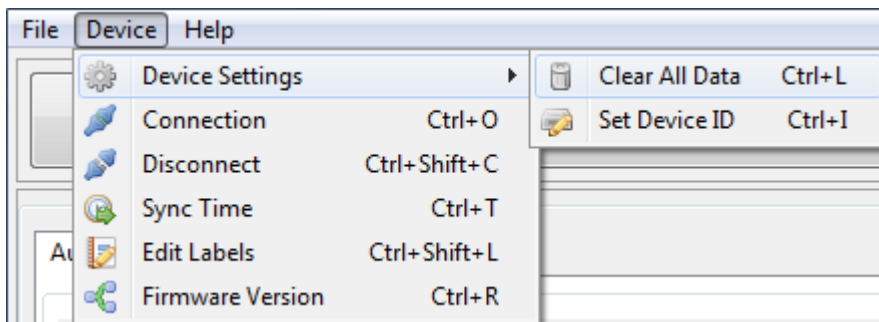
- 3.5.4 **Delete Record** will not proceed if the Records in the device do not match the Records on display. A dialog will appear to confirm if the display will be updated by an automatic **Acquire All Records** command.



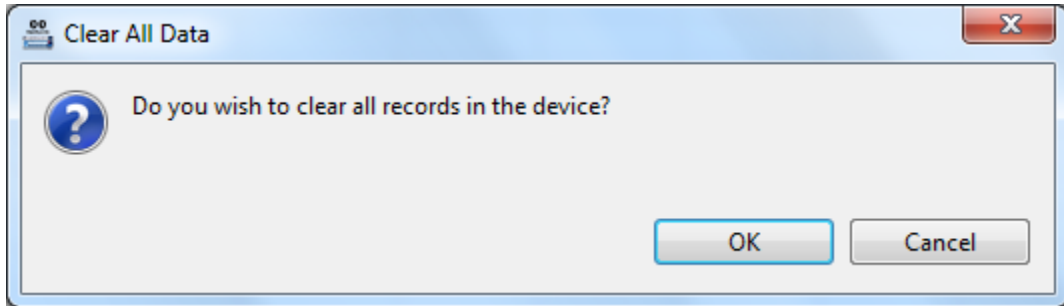
Select **Yes** to update display by acquiring all Records in the device memory.  
Select **No** to abort **Delete Record** command.

## 3.6 CLEAR ALL DATA IN DK-5000 DEVICE

- 3.6.1 Click **Device** in the menu bar, select **Device Settings**, and then select **Clear All Data** (Device > Device Settings > Clear All Data).



3.6.2 A dialog will appear to confirm deletion of all records.



3.6.3 Click OK to clear all Records in the device.

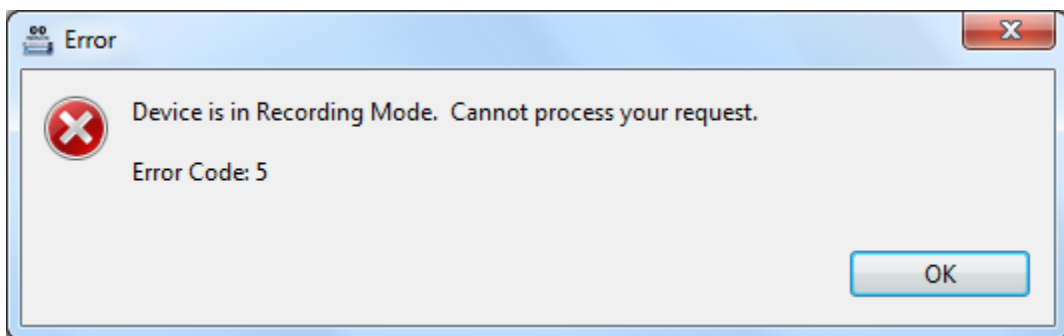
All the Records in the device will be deleted and the records displayed in the software will also be cleared.

**Note:**

The DK-5000 device will proceed to Memory Recall Mode displaying "no data" to indicate that the memory is cleared of all data.

3.6.4

For Type B, C and D devices, the Clear All Data feature cannot be used when device is in Recording or Count Mode, respectively. If Clear All Data is attempted during Recording or Count Mode, an error message will be shown.

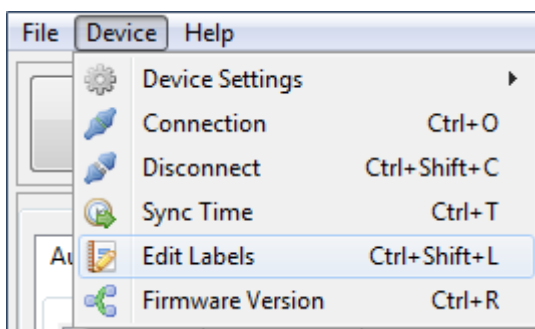


## 4 Editing Labels

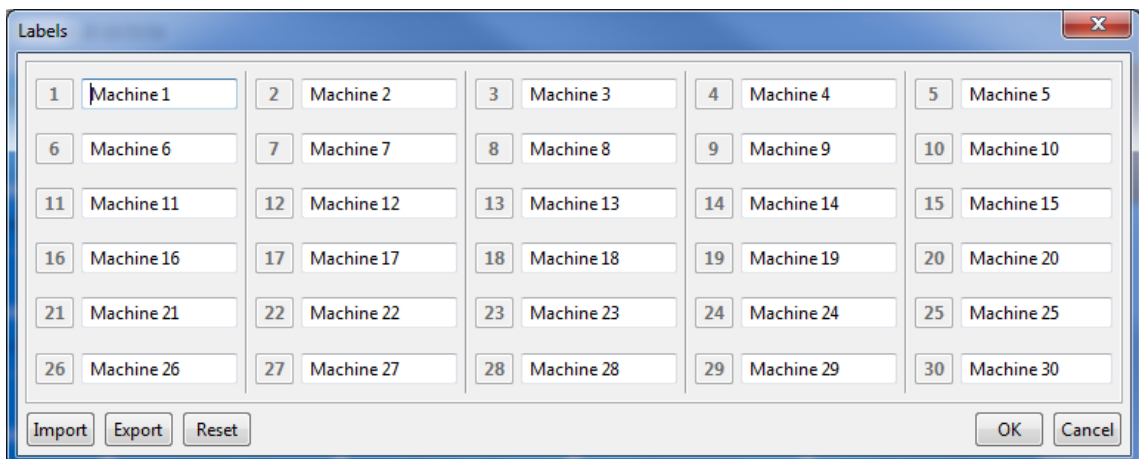
### 4.1 EDIT LABELS

This function allows the user to edit the default Input labels. These labels will be used in the Auto-Acquire and Acquire All tabs when displaying data from the device and also in the exported file.

4.1.1 To edit Input labels, click **Device** from the menu bar then select **Edit Labels**.



4.1.2 The **Labels** dialog will be shown and the textbox for each label will be enabled depending on the number of Inputs of the connected device.



In this example, the connected device has 5 Inputs.

Click **OK** button to apply the changes and **Cancel** button to discard the changes and close the **Labels** dialog.

4.1.3 Upon applying the changes in Input labels, the Auto-Acquire and Acquire All Records view will be updated.

Auto-Acquire View:

DK-5000 Mieruzzo Basic Software - DK-5030A - 898 : COM57

File Device Help

Auto-Acquire | Records

Format 1 | Format 2 | HCL Display

Last Update Time: 2016-06-20 16:56:37

Machine 1	Machine 2	Machine 3	Machine 4	Machine 5	Total
3	5	8	6	4	
Machine 6	Machine 7	Machine 8	Machine 9	Machine 10	
4	4	4	4	3	
Machine 11	Machine 12	Machine 13	Machine 14	Machine 15	
1	3	3	2	1	
Machine 16	Machine 17	Machine 18	Machine 19	Machine 20	
1	3	2	2	1	
Machine 21	Machine 22	Machine 23	Machine 24	Machine 25	
0	1	2	2	1	
Machine 26	Machine 27	Machine 28	Machine 29	Machine 30	
3	2	4	2	0	

Model: DK-5030A | Device ID: 898 | Records: 8

Acquire All Records View:

DK-5000 Mieruzzo Basic Software - DK-5030A - 898 : COM57

File Device Help

Auto-Acquire | Records

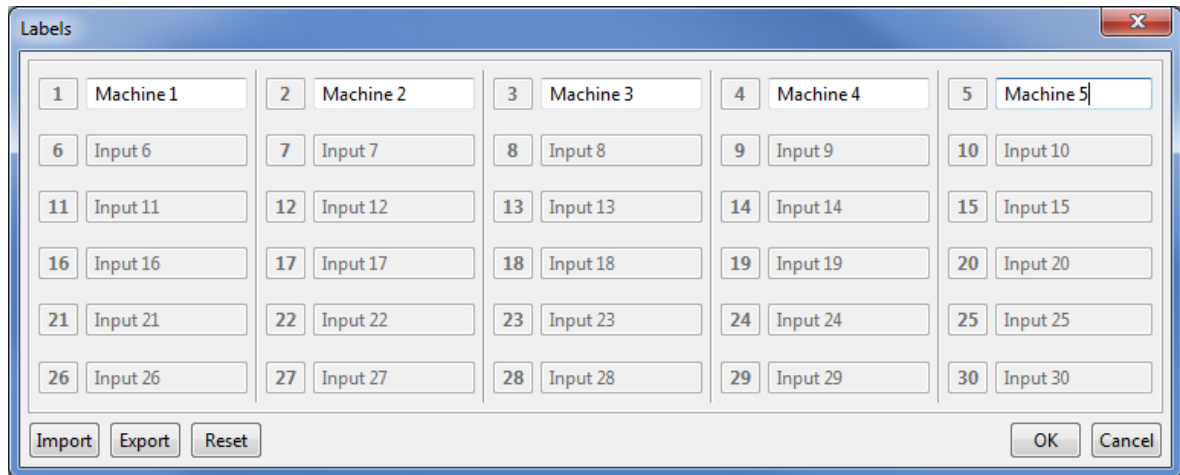
	Timestamp	Total	Machine 1	Machine 2	Machine 3	Machine 4	Machine 5	Machine 6	Machine 7	Machine 8	Machine 9	Machine 10	Mach
1	2016-06-17 16:03:50	285	0	0	0	0	0	16	21	17	14	4	6
2	2016-06-17 16:03:58	16	0	0	0	0	1	5	4	3	0	1	0
3	2016-06-17 16:04:04	66	0	1	0	1	0	1	1	2	4	1	1
4	2016-06-17 16:04:07	0	0	0	0	0	0	0	0	0	0	0	0
5	2016-06-17 16:04:11	69	0	0	0	0	0	1	3	3	1	0	2
6	2016-06-17 16:04:17	72	0	2	2	0	0	1	3	3	3	2	3
7	2016-06-17 16:04:22	91	0	0	0	0	0	1	2	3	3	0	2
8	2016-06-17 16:04:35	0	0	0	0	0	0	0	0	0	0	0	0

Model: DK-5030A | Device ID: 898 | Records: 8

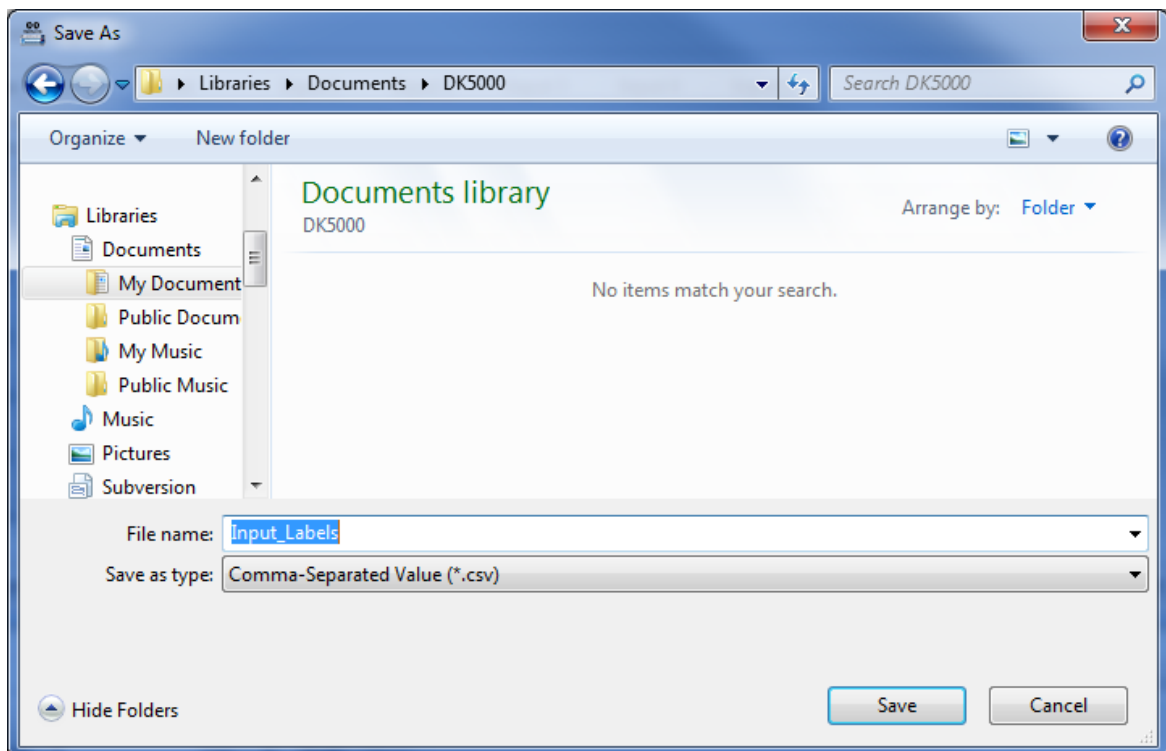
## 4.2 EXPORT LABELS

This allows the user to save the labels into a CSV file. This CSV file can be shared and imported in case the user wants to use the labels again.

4.2.1 To export labels, open the Labels dialog. Go to Device from the menu bar then click Edit Labels.



4.2.2 After editing the labels, click **Export** button and the Save Dialog will show up with a default file name 'Input\_Labels'. The user can change the file name then select the location and click **SAVE** to save the CSV file.



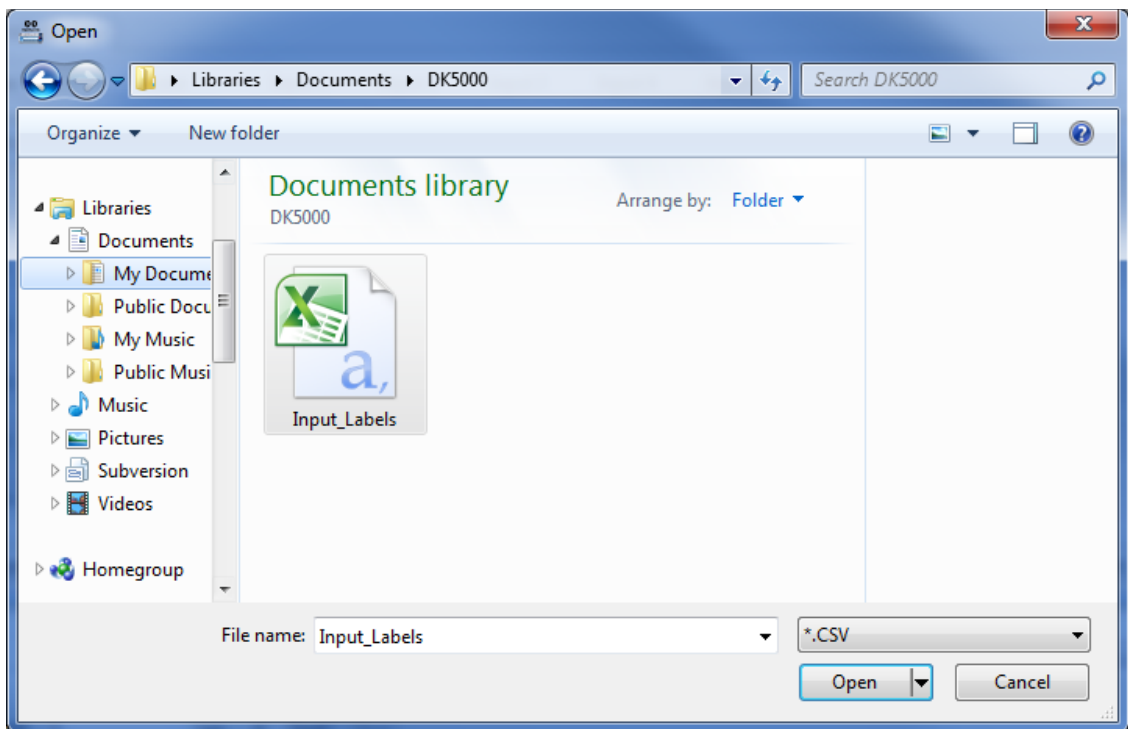
## 4.3 IMPORT LABELS

Once the CSV file of the labels has been exported, the user can import it and use it again.

4.3.1 To import labels, open the Labels dialog. Go to Device from the menu bar then click Edit Labels.

4.3.2 Click **Import** button then select the CSV file and click **Open**.

The labels from the CSV file will be displayed in the Labels dialog.





## 5 EXPORTING RECORDS TO A FILE

### 5.1 EXPORT A SPECIFIC RECORD

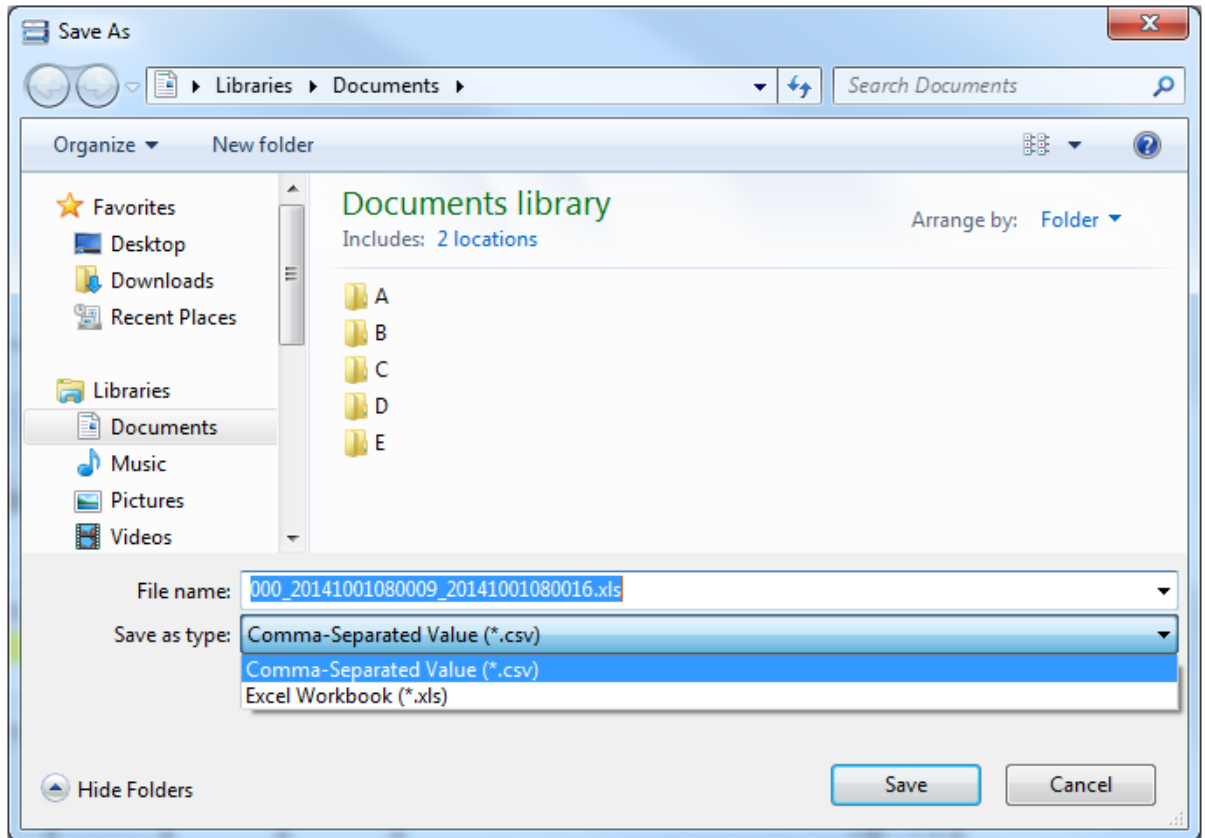
This function enables saving a copy of selected Record to a spreadsheet. This function is available in Type B, C and D DK-5000 devices only. For Type A devices, please use the Export All Records function.

5.1.1 To export a specific individual Record, right-click on the page to be exported, and then select Export Record or click the Export Record button, which is found on the lower-right corner of the page.

The screenshot displays the Mieruzzo Basic Software interface. At the top, there are four main buttons: 'Auto-Acquire', 'Acquire All Records', 'Connection', and 'Export All Records'. Below these, a row of timestamps is shown: 'Auto-Acquire', '2016-01-01 01:01:38', '2016-01-01 01:05:57', and '2016-01-01 01:06:08'. The main area contains a table with the following columns: Timestamp, Total, Input 1, Input 2, Input 3, Input 4, Input 5, Input 6, Input 7, Input 8, Input 9, and Input 10. The table lists 16 records. A right-click context menu is open over the third record, showing the 'Export Record' option. At the bottom of the interface, there is a status bar with the following information: Start Time: 2016-01-01 01:01:03, End Time: 2016-01-01 01:01:38, Number of Logs: 164, and a button labeled 'Export Record'. The model information at the bottom left reads: Model: DK-5030B | Device ID: 340 | Records: 3.

	Timestamp	Total	Input 1	Input 2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10
164	2016-01-01 01:01:38	166	6	4	14	6	6	9	8	16	4	5
1	2016-01-01 01:01:03	0	0	0	0	0	0	0	0	0	0	0
2	2016-01-01 01:01:08	1	0	0	1	0	0	0	0	0	0	0
3	2016-01-01 01:01:08	2	0	1	1	0	0	0	0	0	0	0
4	2016-01-01 01:01:08	3	1	1	1	0	0	0	0	0	0	0
5	2016-01-01 01:01:08	4	1	1	2	0	0	0	0	0	0	0
6	2016-01-01 01:01:08	5	2	1	2	0	0	0	0	0	0	0
7	2016-01-01 01:01:09	6	2	1	2	0	0	0	0	0	0	0
8	2016-01-01 01:01:09	7	2	1	2	0	0	0	0	0	0	0
9	2016-01-01 01:01:09	8	2	1	2	0	0	0	0	0	0	0
10	2016-01-01 01:01:09	9	2	1	2	0	0	0	0	0	0	0
11	2016-01-01 01:01:10	10	2	1	2	0	0	0	0	0	0	0
12	2016-01-01 01:01:10	11	2	1	2	0	0	0	0	0	0	0
13	2016-01-01 01:01:10	12	2	1	2	0	0	0	0	0	0	0
14	2016-01-01 01:01:10	13	2	1	2	0	0	0	0	0	0	0
15	2016-01-01 01:01:10	14	2	1	2	0	0	0	0	0	0	0

- 5.1.2 You can choose to save the record as an MS Excel Workbook (.XLS) or a comma separated value (.CSV) file.



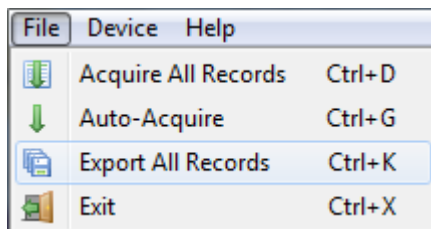
The default filename to be used follow the format below:

Device ID\_start timestamp\_end timestamp.xls

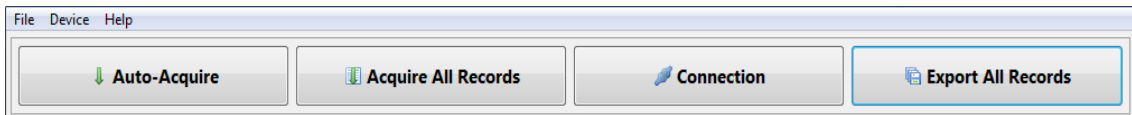
Device ID\_start timestamp\_end timestamp.csv

## 5.2 EXPORT ALL RECORDS

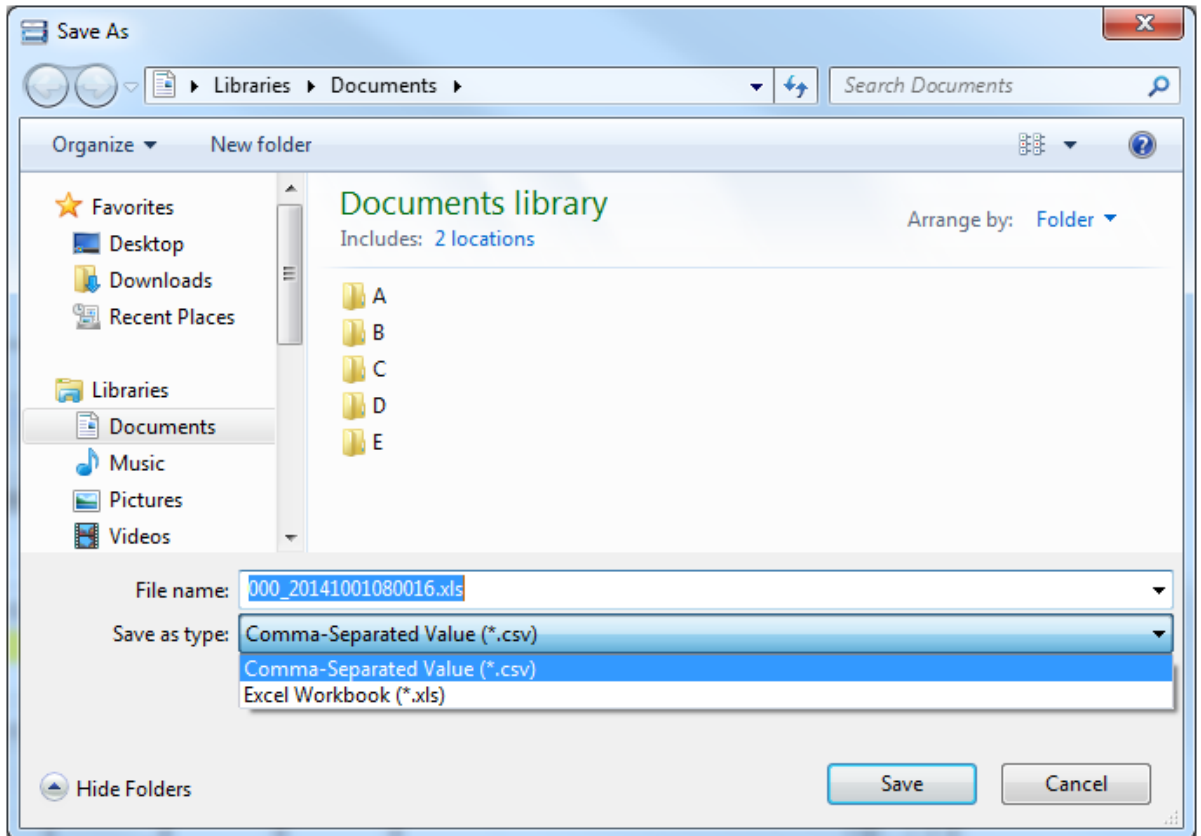
- 5.2.1 To export all records displayed, click **File** in the menu bar, and then select **Export All Records** (File > Export All Records).



Or click **Export All Records** button.



5.2.2 You can choose to save the Records as an MS Excel Workbook (.XLS) or a comma separated value (.CSV) file.



The default filename to be used follow the format below:

Device ID\_date & time of export.xls

Device ID\_date & time of export.csv

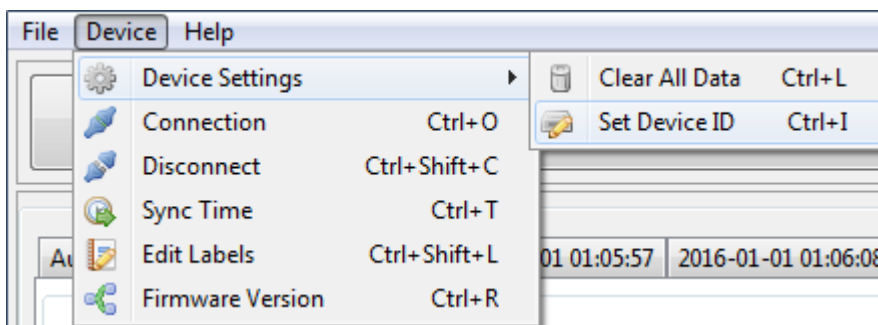
If exported to Excel, each Record will be on a different sheet in one Excel file, while, if exported in CSV, each Record will be stored as individual CSV files.

## 6 CHANGING DEVICE SETTINGS

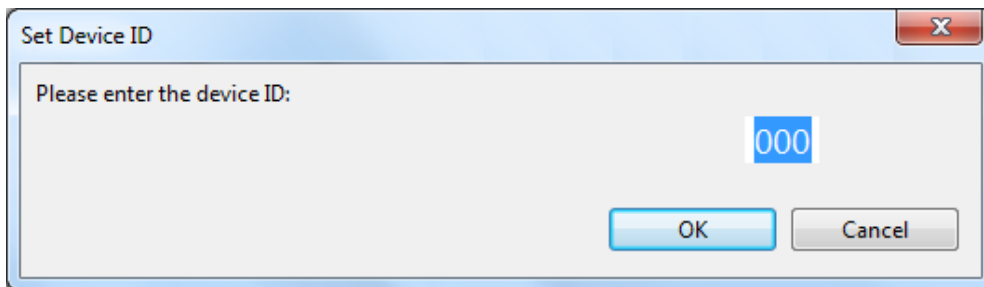
### 6.1 SET DEVICE ID

The software can be used to change the Device ID of the connected DK-5000 device. The Device ID is a 3-digit user-programmable number which is used to identify different DK-5000 devices.

- 6.1.1 Click **Device** in the menu bar, select **Device Settings**, and then select **Set Device ID** (Device > Device Settings > Set Device ID).

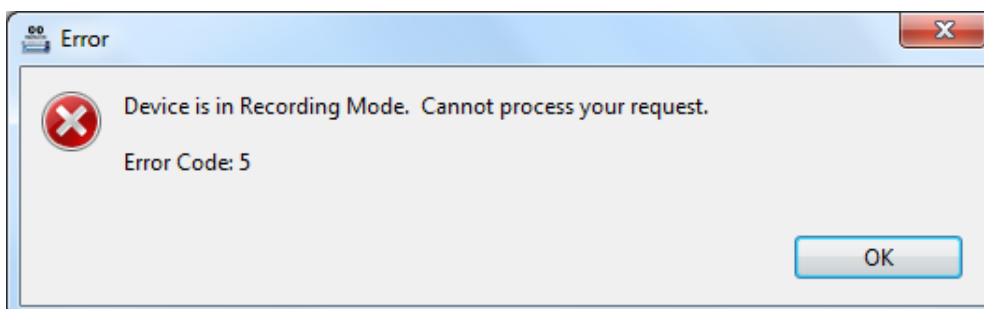


- 6.1.2 Type the desired 3-digit Device ID.



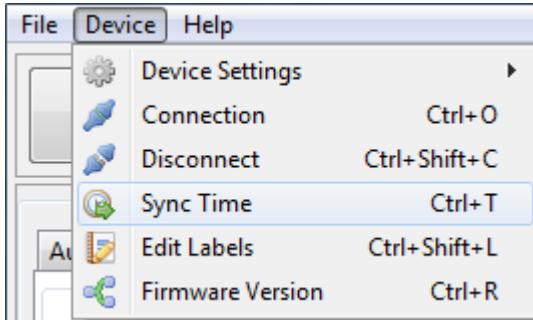
- 6.1.3 Click **OK** to save selected Device ID.

- 6.1.4 For Type B, C and D devices, this feature cannot be used when in Recording or Count Mode, respectively. If the Device ID is attempted to be changed during Recording or Count Mode, an error message will be shown.

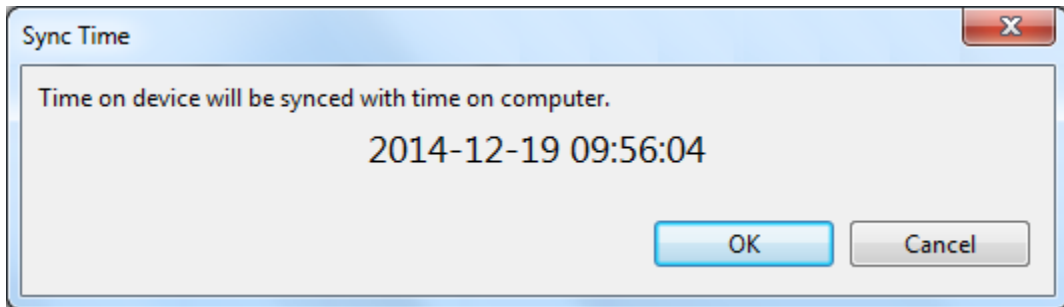


## 6.2 SYNCHRONIZE DK-5000 DEVICE TIME WITH SYSTEM TIME

- 6.2.1 Click **Device** in the menu bar, and then select **Sync Time** (Device > Sync Time).

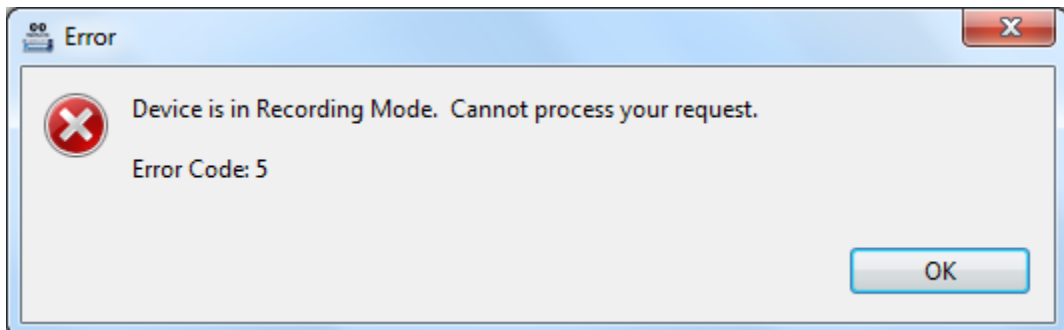


- 6.2.2 A dialog will appear that shows the current time of the PC.



- 6.2.3 Click **OK** to sync the time of DK-5000 device to system time.

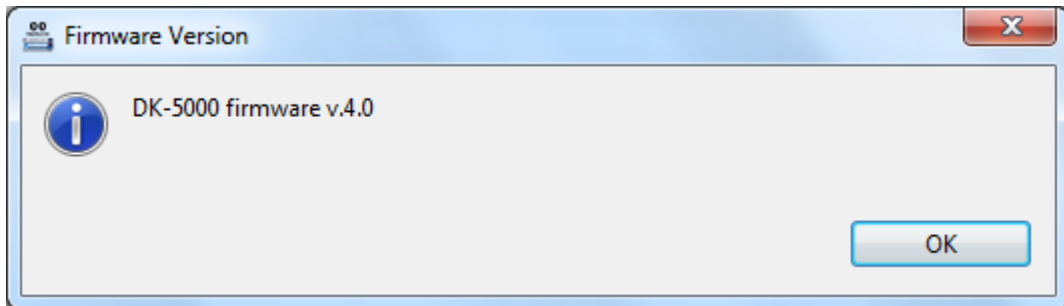
- 6.2.4 For Type B, C and D devices, this feature cannot be used when in Recording or Count Mode, respectively. If time is attempted to be synced during Recording or Count Mode, an error message will be shown.



## 7 MISCELLANEOUS FUNCTIONS

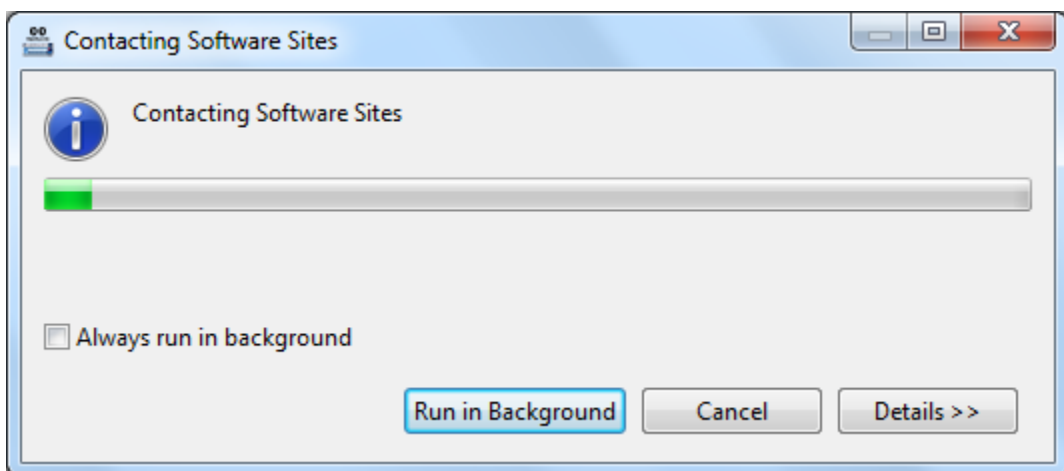
### 7.1 VIEW DEVICE FIRMWARE VERSION

7.1.1 Click **Device** in the menu bar, and then select **Firmware Version** (Device > Firmware Version). It will show the firmware version of the connected device.

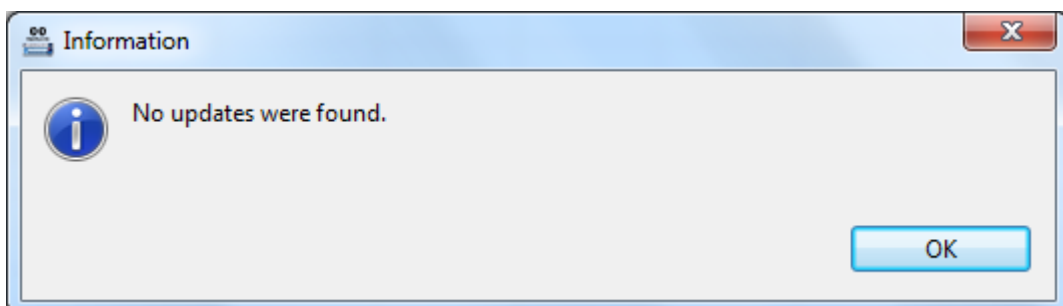


### 7.2 CHECK FOR SOFTWARE UPDATES

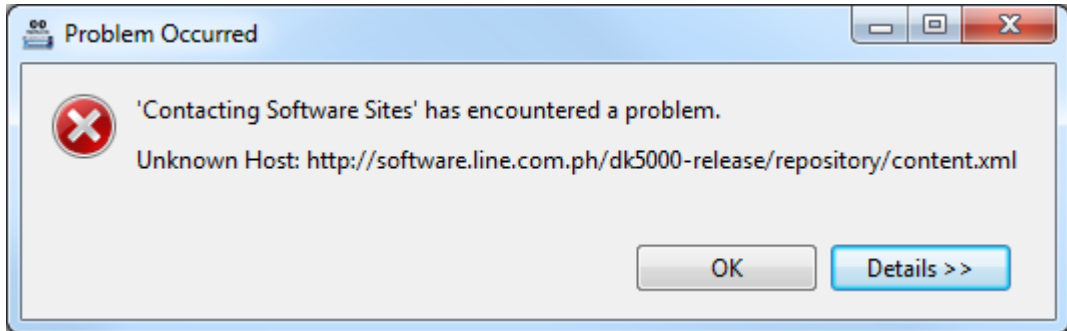
7.2.1 Click **Help** in the menu bar, and then select **Check for Updates** (Help > Check for Updates). It will automatically search for available software updates.



If no updates are available, it will show a message prompt below.



- 7.2.2 If there is no internet connection or if the software cannot connect to the update server, an error message will appear.



## 7.3 VIEW SOFTWARE INSTRUCTION MANUAL

- 7.3.1 Click **Help** in the menu bar, and then select **Manual** (Help > Manual). It will open a copy of the **DK-5000 Mieruzzo Software User's Manual**.

## 7.4 VIEW SOFTWARE VERSION AND INSTALLATION DETAILS

- 7.4.1 Click **Help** in the menu bar, and then select **About DK-5000 Mieruzzo Basic Software** (Help > About DK-5000 Mieruzzo Basic Software). It will show the following window which tells the software build version and an option to see the software installation details.



## 8 FREQUENTLY ASKED QUESTIONS

### 1. Why do I get a "no DK-5000 device detected" message when I click Connection even when my device is visibly connected?

These are common reasons for not detecting a DK-5000 device, and possible solutions:

- Make sure your device is connected and turned ON. You cannot connect if the device is turned off.
- Make sure that the PC recognizes your device. If this is the first time you connected a DK-5000 device, it'll take some time for windows to install the appropriate driver. Please note that our software installation contains the drivers necessary for your DK-5000.
- We received reports that changing the USB port to connect to help with the OS recognizing the device.

### 2. Why do I get an "unknown device" error when I connect the DK-5000 device to my PC?

These are 2 possible reasons for unknown device error:

- Driver installation. Make sure that you've properly followed the software and driver installation.
- Windows USB Stack issue. This is an issue with Windows' USB stack. Try disconnecting then reconnecting the device, or restarting your PC.

### 3. Why can't I sync the time on my DK-5000 device via the Basic Software?

It is possible that your device is in Recording or Count Mode. There are restrictions to setting the time when the device is not on Standby Mode (for Type B, C and D devices). Make sure you go to Standby Mode first before syncing the time.

### 4. Why can't I change the time on my DK-5000 device?

It is possible that your device is in Recording or Count Mode. There are restrictions to setting the time when the device is not on standby mode (for Type B, C and D). Make sure you go to standby mode first before setting the time.

### 5. Why can't I change the Device ID on my DK-5000 device?

You cannot change the Device ID on your DK-5000 device if it is connected to the DK-5000 Mieruzzo Software. Use the Set Device ID function of the software to change the Device ID.



**6. I already disconnected the device from the software, why can't I change the Device ID on my DK-5000 device?**

It is possible that your device is in Recording or Count Mode. There are restrictions to editing the Device ID when the device is not on Standby Mode (for Type B, C and D devices). Make sure you go to Standby Mode first before changing the Device ID.

**7. Why are my old records missing in the device memory?**

Your DK-5000 has limited memory and will erase the earliest record to free up space for new ones. To avoid this, please refer to the manual and save your records using our DK-5000 Mieruzzo Basic Software before clearing the device memory.

**8. Why don't I get back to the default folder DK-5000 when I export my records?**

We have an initial folder DK-5000, but the software remembers the last folder where the user saved last export. You may choose not to use the DK-5000 folder. But you should be able to find it again under your Documents folder.

**9. The DK-5000 Mieruzzo Basic Software says there is a new update available, but I cannot update the software.**

If you are working behind a proxy server or a firewall, it could be that access to the update server is limited. Please contact your network administrator for help in correcting this by allowing TCP/IP access to software.line.com.ph at port 80.

Intermittent internet connection may cause corruption in downloading the new version. If this happens, the software will report this error to you and continue with your current version. You may want to proceed with the update when you have a stable internet connection.

There are reported incidences wherein update function does not work after reinstalling the software over a previous install. In this case, you will need to delete the entire program folder "C:\Program Files (x86)\Line Seiki\Mieruzzo\DK5000 Mieruzzo Software\" before reinstalling a new one.

For more information, please visit [www.lineseiki.com](http://www.lineseiki.com).

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