**DD**MIERUZZO

# **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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# 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 <u>OK</u> to continue with the software installation.

Select the language to use during the installation:	
English  Cancel	

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





1.1.4 Select the default installation folder or browse for a new location. Click <u>Next</u> to continue with the software installation.

🔁 Setup - DK-5000 Mieruzzo Basic Software	_ <b>_ x</b>
Select Destination Location Where should DK-5000 Mieruzzo Basic Software be installed?	
Setup will install DK-5000 Mieruzzo Basic Software into the follow	ing folder.
To continue, click Next. If you would like to select a different folder, click B	Browse.
Program Files \Line Seiki \Mieruzzo \DK-5000 Basic Mieruzzo Software	Browse
At least 160.6 MB of free disk space is required.	
< Back Next >	Cancel

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

🔁 Setup - DK-5000 Mieruzzo Basic Software		x
Select Start Menu Folder Where should Setup place the program's shortcuts?	¢	
Setup will create the program's shortcuts in the following Start Me	enu folder.	
To continue, click Next. If you would like to select a different folder, click E	rowse.	
DK-5000 Mieruzzo Basic Software	Browse	
< Back Next >	Can	cel



1.1.6 Select whether to create or not to create the desktop icon for the software via the checkbox. Click <u>Next</u> to continue.

🔁 Setup - DK-5000 Mieruzzo Basic Software		x
Select Additional Tasks Which additional tasks should be performed?	Ø	
Select the additional tasks you would like Setup to perform while installing Mieruzzo Basic Software, then click Next.	DK-5000	
Additional icons:		
Create a desktop icon		
< Back Next >	Can	cel

1.1.7 Click Install to continue with the software installation.

🔂 Setup - DK-5000 Mieruzzo Basic Software	x
Ready to Install Setup is now ready to begin installing DK-5000 Mieruzzo Basic Software on your computer.	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C: \Program Files\Line Seiki\Mieruzzo\DK-5000 Basic Mieruzzo Software Start Menu folder:	*
DK-5000 Mieruzzo Basic Software Additional tasks:	
Create a desktop icon	
<	T
< Back Install	Cancel



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 <u>Next</u> to continue.





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

DK-5000 Series Device Driver Updater			
	Congratulations! You finished installing your DK-5000 device drivers.		
	The drivers were successfully ins You can now connect your devi please read them first.	stalled on this computer. ce to this computer. If your device came with instructions,	
	Driver Name	Status	
	✓ Line Seiki Co., Ltd. www	Ready to use	
		< Back Finish Cancel	

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







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

🚆 DK-5000 Mieruzzo Basic Software			
File Device Help			
Auto-Acquire	I Acquire All Records	Connection	Export All Records
		1	

### 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 <u>Device</u> in the menu bar, then select <u>Connection</u> (Device > Connection)



or click Connection button.

File Device Help			
Auto-Acquire	Acquire All Records	S Connection	Export All Records

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.

Connection	x
Please select available DK-5000 device from the list.	DK-5005A - 000 : COM01
	OK Cancel





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2.1.3 Click <u>OK</u> 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.

😤 DK-5000 Mieruzzo Basic Software - DK-5030A - 898 : COM57						
File Device Help						
Auto-Acquire						
Auto-Acquire Records						

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.

			] [		
Auto-Acquire	e 🚺 Ac	quire All Records	Sonnecti	on	Export All Records
o-Acquire Records					
ormat 1 Format 2 HCL Disp	lay				
st Update Time: 2016-06-20 1	6:32:26				
Input 1	Input 2	Input 3	Input 4	Input 5	Total
0	0	0	0	0	2
Input 6	Input 7	Input 8	Input 9	Input 10	
0	0	0	0	0	
Input 11	Input 12	Input 13	Input 14	Input 14 Input 15	
0	0	0	0	0	
Input 16	Input 17	Input 18	Input 19	Input 20	
0	0	0	0	0	
Input 21	Input 22	Input 23	Input 24	Input 25	
0	0	0	0	0	
Input 26	Input 27	Input 28	Input 29	Input 30	
1	0	1	0	0	

Successful connection to a Type A or Type B device will show the <u>Auto-Acquire</u> page.





DK-5000 Mieruzzo Basic Software - le Device Help	DK-5005C - 000 : COM49							
Acquire Present Data	Acquire Present Data							
Present								
Last Update Time:								
Input 1	Input 2	Input 3	Input 4	Input 5		Total		
del: DK-5005C   Device ID: 000   Reco	ords: 16							

Successful connection to a Type C device will show the <u>Acquire Present</u> page.

## Successful connection to a Type D device will show the <u>Auto-Acquire</u> page.

BK-5000 Mieruzzo Basic Software - DK-5005	D - 000 : COM34							
File Device Help								
Auto-Acquire	I Acquire All R	ecords	Connection	Export All Records				
Auto-Acquire								
Last Update Time: 2016-06-20 16:35:10				📕 Standby 🔳 High 📕 Low				
Input 1	Input 2	Input 3	Input 4	Input 5				
Model: DK-5005D   Device ID: 000   Records: 26								



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 <u>Yes</u> 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).

File	Devi	ce	Help	
F	÷	De	vice Settings	+
	ø	Co	onnection	Ctrl+O
	ø	Di	sconnect	Ctrl+Shift+C
		Sy	nc Time	Ctrl+T
A		Ed	it Labels	Ctrl+Shift+L
	•C	Fir	mware Version	Ctrl+R





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

🚆 Safe	to Remove Hardware	×
1	Device can now be safely removed from your system.	
		ОК

#### Warning!

Do not physically disconnect the DK-5000 device from the computer without a <u>Disconnect</u> 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 <u>File</u> in the menu bar, and then select <u>Auto-Acquire</u> (File > Auto-Acquire).

File	Device Help	
	Acquire All Records	Ctrl+D
I.	Auto-Acquire	Ctrl+G
ŧ,	Export All Records	Ctrl+K
5	Exit	Ctrl+X

#### Or click Auto-Acquire button.

File Device Help			
↓ Auto-Acquire	I Acquire All Records	Sonnection	Export All Records



3.1.2 A successful <u>Auto-Acquire</u> 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.





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.

DK-5000 Mieruzzo Basic Software - DK-5030A - 898 : COM57							
File Device Help							
Auto-Acquire II Acquire All Records Sconnection							
Auto-Acquire Records							
Format 1 Format 2 HCL Display							]
Last Update Time: 2016-06-20 16:3	7:21						
Input 1		То	atal from Othe	er Counte	rs		Total
0			285				285
		Input 2	Input	3	Input 4	Input 5	
		0	0		0	0	
	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	
Andel: DK-5030A   Device ID: 808   Per	cords: 0						

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).

DK-5000 Mieruzzo Basic Software - DK-5005	D - 000 : COM34							
File Device Help								
Auto-Acquire	Auto-Acquire II Acquire All Records							
Auto-Acquire	Auto-Acquire							
Status View HCL Display								
Last Update Time: 2016-06-20 16:35:10					📕 Standby 📕 High 📕 Low			
Input 1	Input 2	Input	3	Input 4	Input 5			
Model: DK-5005D   Device ID: 000   Records: 26								





#### 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 <u>File</u> in the menu bar, and then select <u>Acquire Present Data</u> (File > Acquire Present Data).



#### or click Acquire Present Data button.

File Device Help			
Acquire Present Data	Acquire All Records	Connection	Export All Records

3.2.2 A successful <u>Acquire Present Data</u> 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 <u>Acquire Present</u> 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.

rmat	1 Format 2 HCL Display						
	Update Time	Total	Input 1	Input 2	Input 3	Input 4	Input 5
L	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
5	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
3	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
			•				
Undat	te Interval						





3.3.2 To start populating the list, select the <u>Interval Type</u>, either <u>At Change</u> or <u>Time</u>. If <u>Time</u> 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 <u>Start</u> button.

Update Interval			
🔘 At Change 💿 Time	3	sec 🔻 Start Sto	p
-			
Model: DK-5005A   Device ID: 000	0   Records: 3		

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

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

Update Interval	3	sec	▼ Start Stop
Model: DK-5005A   Device ID: 00	0   Records: 3		

3.3.4 To stop the table from updating, click **<u>Stop</u>** button.



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

Clear	HCL Data Export
	Auto Scroll

3.3.6 To clear the History Count List table, click <u>Clear</u> button.





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

rmat 1	L Format 2 HCL Display						
	Update Time	Total	Input 1	Input 2	Input 3	Input 4	Input 5
L	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
ļ.	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
5	2016-05-03 14:16:49	131	21	24	32	21	33
1	2016-05-03 14:16:50	147	24	HCL D	ata Export	5	36
3	2016-05-03 14:16:51	163	28	31	38	27	39
)	2016-05-03 14:16:52	180	31	34	41	31	43
L <b>O</b>	2016-05-03 14:16:53	196	34	37	45	34	46
1	2016-05-03 14:16:54	223	39	45	51	38	50
2	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
4	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
			•				m
Update	e Interval						Clear HCL Data E
🗇 At 🔇	Change 💿 Time 🛛 1	sec	▼ Start	Stop			

## 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 <u>File</u> in the menu bar, and then select <u>Acquire All Records</u> (File > Acquire All Records).

File	Device Help	
	Acquire All Records	Ctrl+D
1	Auto-Acquire	Ctrl+G
ŧ,	Export All Records	Ctrl+K
2	Exit	Ctrl+X

Or click Acquire All Records button.

File Device Help			
Auto-Acquire	I Acquire All Records	Sonnection	Export All Records



3.4.2 A successful <u>Acquire All Records</u> 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.

📇 DK-	DK-5000 Mieruzzo Basic Software - DK-5030A - 898 : COM57													
File	Device Help													
	🖡 Auto-Acquire 🖉 Acquire All Records 🖉 Connection 🐚 Export All Records												de	
	* Auto-Acq	une			All Kecon	45		Connect				I All Recon	чъ	
Auto	uto-Acquire Records													
	Timestamp	Total	Input 1	Input 2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10	Input 1	
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	
II —														
			•		III								F	
Model	: DK-5030A   Device ID: 8	898   Record	ls: 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.

	₽	Acquire Present	Data		Acquire All	Records		> Conn	ection	Export	Export All Records	
re	sent	2016-01-01 00:48:21	2016-01-01 0	0:49:13 201	6-01-01 00:49:34	2016-01-0	01 02:04:34	2016-01-02 02:04:55	2016-01-02 02:59:05	2016-01-02 02:59:14	2016-01-02 06:14	
[	*											
		Timestamp	Total	Input 1	Input 2	Input 3	Input 4	Input 5				
	1	2016-01-01 00:48:06	0	0	0	0	0	0				
	2	2016-01-01 00:48:21	219	40	43	4/	45	44				
ľ				•				III			•	
S	tart T	ime: 2016-01-0	1 00:48:06									
E	nd Ti	me: 2016-01-0	1 00:48:21								Export Record	
		er of Logra 2										

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.

	Auto-Acquire		I Acqu	ire All Reco	ords	Connection Structure Export All Records
to-A	acquire 2016-01-01 00:01:34	4 2016-01-01 00	:55:59 2016	01-01 00:59:03	3 2016-01-0	1 01:04:56 2016-01-01 01:05:12 2016-01-01 01:05:29 2016-01-01 01:07:05 2016-06-0
*	Timestamp	Input 1	Input 2	Input 3	Input 4	Input 5
1	2016-01-01 01:05:36					
2	2016-01-01 01:05:37			н		
3	2016-01-01 01:05:38			н	н	=
4	2016-01-01 01:05:38			н	н	н
5	2016-01-01 01:05:48			н	н	
6	2016-01-01 01:05:48			Н		
7	2016-01-01 01:05:48					
8	2016-01-01 01:05:48		н			
9	2016-01-01 01:05:48	н	н			
10	2016-01-01 01:05:48	н				
11	2016-01-01 01:05:48	н		н		
12	2016-01-01 01:05:48	н		н	н	
13	2016-01-01 01:05:48	н		н	н	н
14	2016-01-01 01:05:48	н		н		н
15	2016-01-01 01:05:48	н				н
• •	2015 25 25 25 25 25					
		Input 1	Input 2	Input 3	Input 4	Input 5
	Total Count High	2	4	5	4	3
	Total Count Low	3	5	5	5	3
	Total Duration High	00:00:00	00:00:01	00:01:27	00:00:11	00:01:27
	Total Duration Low	00:01:29	00:01:28	00:00:02	00:01:18	00:00:02
		•				III.
tart nd '	Time: 2016-01-01 01: Time: 2016-01-01 01:	05:36 07:05				Export Record



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 <u>Acquire All Records</u> is attempted but there are no Records saved in the device memory.

📇 Warr	ning	×
	No record found.	
-	Warning Code: 4	
		ОК

#### 3.4.3.2 Device Memory Low

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

Sea Information	X
Device memory is LOW.	
	ОК

#### 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 <u>Acquire All Records</u> is pressed while the Records in the device are already on display because of a prior <u>Acquire All Records</u> 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.

📇 Upda	ate Record							
There are changes made in the device and you may lose some records if you upday Do you wish to save before you proceed?								
	Yes No Cancel							

Select <u>Yes</u> to save the displayed Records. Follow the export procedure. Select <u>No</u> to discard the Records on display and continue acquiring new Records. Select <u>Cancel</u> 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 <u>Delete Record</u>.

↓ Auto-Acquire				Acquire	All Record	s	Sonnection	Export All Records
	Acquire Records							
	Timestamp	Total	Input 1	Input 2	Input 3	Input 4	Input 5	
	2016-01-01 03:59:00	18	4	4	3	3	4	
	2016-01-01 03:59:04	21	4	5	4	4	4	
	2016-01-01 03:59:10	35	7	7	6	7	8	
	2016-01-01 03:59:16	45	9	Delete F	lecord	9	10	
	2016-01-01 03:59:21	21	4	-	4	5	4	
	2016-01-01 03:59:29	68	12	13	13	15	15	
	2016-01-01 03:59:40	6	1	1	1	1	2	
			•					



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**.

1	Acquire Presen				All Record	5		
en	t 2014-10-01 08:00:07	7 2014-10-	01 08:00:15 Dr Delete Rec	:ord	0:22 2014-1	0-01 08:00:31	2014-10-01 08:02:01	
	Timestamp	Total	Input 1	Input 2	Input 3	Input 4	Input 5	
	2014-10-01 08:00:11	0	0	0	0	0	0	
	2014-10-01 08:00:15	45	9	9	9	9	9	
			•				III	
in	ne: 2014-10-01 (	08:00:11						
	2014-10-01 (	08:00:15						Export F

## 3.5.2 A dialog will appear to confirm the requested command.

🚆 Confirm	×
Are you sure you want to delete this record?	
	OK Cancel





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.

Cannot Delete Record	×
There are changes to the device records. Do you wish to update?	
	Yes No

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).

File	Devi	ice Help					
	÷	Device Settings	×	8	Clear All Data	Ctrl+L	
	ø	Connection	Ctrl+O	2	Set Device ID	Ctrl+I	
	ø	Disconnect	Ctrl+Shift+C	F			
	P	Sync Time	Ctrl+T				
Αι		Edit Labels	Ctrl+Shift+L				
	¢	Firmware Version	Ctrl+R				





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



3.6.3 Click <u>OK</u> 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 <u>Clear All Data</u> feature cannot be used when device is in Recording or Count Mode, respectively. If <u>Clear All Data</u> 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 <u>Auto-Acquire</u> and <u>Acquire All</u> 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.

Labels					x
1	Machine 1	2 Machine 2	3 Machine 3	4 Machine 4	5 Machine 5
6	Machine 6	7 Machine 7	8 Machine 8	9 Machine 9	10 Machine 10
11	Machine 11	12 Machine 12	13 Machine 13	14 Machine 14	15 Machine 15
16	Machine 16	17 Machine 17	18 Machine 18	19 Machine 19	20 Machine 20
21	Machine 21	22 Machine 22	23 Machine 23	24 Machine 24	25 Machine 25
26	Machine 26	27 Machine 27	28 Machine 28	29 Machine 29	30 Machine 30
Impor	t Export Reset	]			OK Cancel

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 <u>Labels</u> dialog.





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

Auto-Aco	luire	View:
/ 1010 / 100		

📇 DK-50	DK-5000 Mieruzzo Basic Software - DK-5030A - 898 : COM57											
File De	evice Help											
Auto-Acquire All Records Connection												
Auto-A	Auto-Acquire Records											
Forma	Format 1 Format 2 HCL Display											
Last L	Jpdate Time: 2016-06-20 1	.6:56:37										
	Machine 1	Machine 2	Machine 3	Machine 4	Machine 5	Total						
	3	5	8	6	4	81						
	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: D	0K-5030A   Device ID: 898	Records: 8			4							

# Acquire All Records View:

-													
	↓ Auto-Acq	uire		Acquire A	All Records	5	<i>"</i>	Connectio	n		Export /	All Records	
o-/	Acquire Records												
	Timestamp	Total	Machine 1	Machine 2	Machine 3	Machine 4	Machine 5	Machine 6	Machine 7	Machine 8	Machine 9	Machine 10	Ma
	2016-06-17 16:03:50	285	0	0	0	0	0	16	21	17	14	4	6
	2016-06-17 16:03:58	16	0	0	0	0	1	5	4	3	0	1	0
	2016-06-17 16:04:04	66	0	1	0	1	0	1	1	2	4	1	1
	2016-06-17 16:04:07	0	0	0	0	0	0	0	0	0	0	0	0
	2016-06-17 16:04:11	69	0	0	0	0	0	1	3	3	1	0	2
	2016-06-17 16:04:17	72	0	2	2	0	0	1	3	3	3	2	3
	2016-06-17 16:04:22	91	0	0	0	0	0	1	2	3	3	0	2
	2016-06-17 16:04:35	0	0	0	0	0	0	0	0	0	0	0	0



#### 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 <u>Labels</u> dialog. Go to <u>Device</u> from the menu bar then click <u>Edit Labels</u>.

Labels				×
1 Machine 1	2 Machine 2	3 Machine 3	4 Machine 4	5 Machine 5
6 Input 6	7 Input 7	8 Input 8	9 Input 9	10 Input 10
11 Input 11	12 Input 12	13 Input 13	14 Input 14	15 Input 15
16 Input 16	17 Input 17	18 Input 18	19 Input 19	<b>20</b> Input 20
21 Input 21	<b>22</b> Input 22	23 Input 23	24 Input 24	25 Input 25
26 Input 26	27 Input 27	28 Input 28	29 Input 29	30 Input 30
Import Export Reset	]			OK Cancel

4.2.2 After editing the labels, click <u>Export</u> button and the <u>Save Dialog</u> will show up with a default file name 'Input\_Labels'. The user can change the file name then select the location and click <u>SAVE</u> 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 <u>Labels</u> dialog. Go to <u>Device</u> from the menu bar then click <u>Edit Labels</u>.
- 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.

🚆 Open		-	×
Core Librarie	es 🕨 Documents 🕨 DK5000	✓ 4→ Searce	h DK5000 🔎
Organize 🔻 New fo	lder		<b>•</b> • <b>• •</b>
<ul> <li>Libraries</li> <li>Documents</li> <li>My Docume</li> <li>Public Docu</li> <li>My Music</li> <li>Public Musi</li> <li>Public Musi</li> <li>Music</li> <li>Pictures</li> <li>Subversion</li> <li>Videos</li> <li>Homegroup</li> </ul>	Documents library DK5000	Arrange by: Folder -	
File	name: Input_Labels	✓ *.CSV	•
		Ор	en <b> </b> ▼ Cancel





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# 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 <u>Export All</u> <u>Records</u> function.

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

									-				
o-Ac	quire 2016-01-01 01:	01:38 2016	-01-01 01:05:57	2016-01-01	01:06:08								
									1	1	1		
	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	
			•										
^	Timestamp	Total	Input 1	Input 2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8	Input 9	Input 10	
1	2016-01-01 01:01:03	0	0	0	0	0	0	0	0	0	0	0	1
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	1
4	2016-01-01 01:01:08	3	1	1	1	Export Recor	d	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	ŀ
			•	11	1							•	





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

Save As		×
Libraries	Documents >	<ul> <li>✓</li> <li>✓</li></ul>
Organize 🔻 New folder		## <b>~</b> 🔞
<ul> <li>★ Favorites</li> <li>■ Desktop</li> <li>▶ Downloads</li> <li>™ Recent Places</li> <li>■ Libraries</li> <li>■ Documents</li> <li>♦ Music</li> <li>■ Pictures</li> </ul>	Documents library Includes: 2 locations	Arrange by: Folder 🔻
Videos 👻		
File name: 000_203 Save as type: Comma Comma Excel W	141001080009_20141001080016.xls a-Separated Value (*.csv) a-Separated Value (*.csv) orkbook (*.xls)	▼ ▼
) Hide Folders		Save Cancel

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).

File	Device Help	
I.	Acquire All Records	Ctrl+D
1	Auto-Acquire	Ctrl+G
i.	Export All Records	Ctrl+K
2	Exit	Ctrl+X





Or click Export All Records button.

File Device Help			
↓ Auto-Acquire	I Acquire All Records	Connection	Export All Records

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 <u>Device</u> in the menu bar, select <u>Device Settings</u>, and then select <u>Set Device ID</u> (Device > Device Settings > Set Device ID).

File	Devi	ice Help				
	÷	Device Settings	×.	8	Clear All Data	Ctrl+L
	ø	Connection	Ctrl+O		Set Device ID	Ctrl+I
	ø	Disconnect	Ctrl+Shift+C	F		
	®	Sync Time	Ctrl+T	F		
A		Edit Labels	Ctrl+Shift+L	01 0	1:05:57 2016-01	-01 01:06:08
	¢	Firmware Version	Ctrl+R	F		

6.1.2 Type the desired 3-digit Device ID.

Set Device ID	×
Please enter the device ID:	
	000
	OK Cancel

- 6.1.3 Click <u>OK</u> 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 <u>Device</u> in the menu bar, and then select <u>Sync Time</u> (Device > Sync Time).

File	Devi	ice Help	
	÷	Device Settings	•
	ø	Connection	Ctrl+O
	ø	Disconnect	Ctrl+Shift+C
	®	Sync Time	Ctrl+T
A		Edit Labels	Ctrl+Shift+L
	¢	Firmware Version	Ctrl+R

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

Sync Time	×
Time on device will be synced with time on computer.	
2014-12-19 09:56:04	
OK Can	cel

- 6.2.3 Click <u>OK</u> 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 <u>**Device**</u> in the menu bar, and then select <u>**Firmware Version**</u> (Device > Firmware Version). It will show the firmware version of the connected device.

🚆 Firmware Version	×
DK-5000 firmware v.4.0	
	ОК

# 7.2 CHECK FOR SOFTWARE UPDATES

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

Contacting Software Sites
Contacting Software Sites
Always run in background
Run in Background Cancel Details >>

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

📇 Informatio	on	×
() No	updates were found.	
		ОК





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

Problem Occurred			
'Contacting Software Sites' has encountered a problem. Unknown Host: http://software.line.com.ph/dk5000-release/repository/content.xml			
	OK Details >>		

#### 7.3 VIEW SOFTWARE INSTRUCTION MANUAL

7.3.1 Click <u>Help</u> in the menu bar, and then select <u>Manual</u> (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 <u>Help</u> in the menu bar, and then select <u>About DK-5000 Mieruzzo Basic Software</u> (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 <u>Connection</u> 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 <u>Set Device ID</u> 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.





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