Additel/Land 数据记录管理软件

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1. Chapter 1 Introduction

This manual will introduce you to how to install, and use the Additel/Land. All screens have a uniform look with similar speed buttons and menus, making it easy for you to adapt to the system quickly. Each subsequent chapter individually addresses one of the program's screens or major functions. In each of these chapters you will find a full description and explanation of the screens features, as well as detailed, hands-on operating instructions.

Chapter 2 Installation

2.1 System Requirements

To use the Additel/Land recommended that you have the following hardware and software:

- A Pentium class 667 MHz or higher computer with a minimum of 256 MB of RAM (512 MB or more recommended)
- Graphics monitor and card: (VGA color or better recommended)
- Windows XP or later operating system versions
- A hard disk with at least 500 MB of free space ➢ Microsoft Office 2003 or later versions For calibrator communication:
- RS232 serial asynchronous communication port
- ADT672, ADT761 , ADT223A Series Calibrators (the version of calibrators is DPC2.10 or higher) ➢ Suitable communications cable (supplied)

2.2 Procedures

Insert the Additel/Land CD into your computer's CD-ROM drive. If the program does not autostart, Run "***setup.exe***". Follow the prompts on your screen to complete installation.

Chapter 3 Starting the Program

To start Additel/Land, double-click on the ***Additel Land*** icon located in the ***Additel Land*** Group. (Multiple instances of Additel/Land may not be run concurrently on the same machine.)

3.1 Licensing

This software is free of payment. Users can be free to copy, exchange and use.

Chapter 4 Home Screen

4.1 Using the Home Screen

Figure 4.1 below, is the system's **HOME SCREEN**. This is the main screen you work from when you are using Additel/Land. It has the buttons and menu items used to activate every other branch and/or function of the system. An overview of this screen's sections is provided below. However, for more detailed information on any of the items mentioned, please refer to the pages dedicated to those topics in the other sections of this manual.

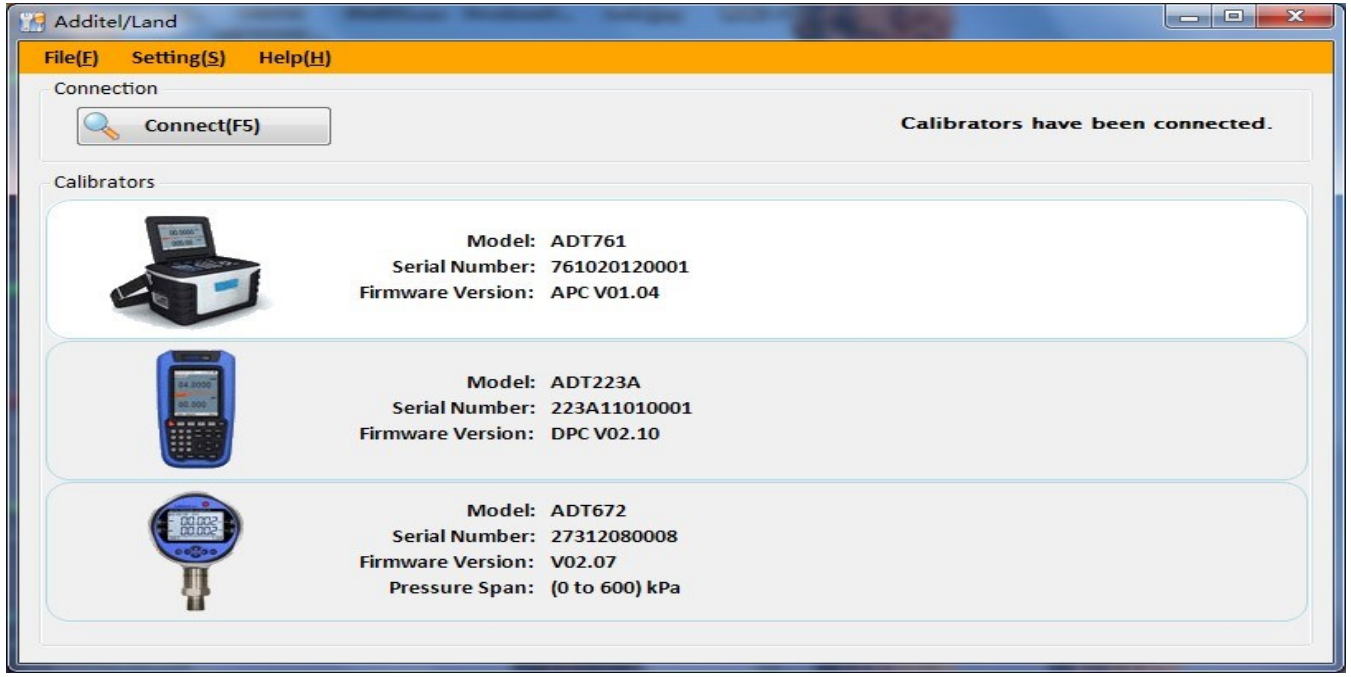


Figure 4.1

4.2 File Menu

4.2.1 Connect (F5)

- To scan the calibrators connected with the PC by clicking the ***Connect (F5)*** box (or press the ***F5*** on the keyboard), you will see calibrators in the list on the bottom of the **HOME SCREEN**, and the message of "**Calibrators have been connected!**" on the right top of the **HOME SCREEN**. See figure 4.1 below.
- If there are no calibrators, you will see the message of "**Calibrators not found**". See figure 4.2.1 below.

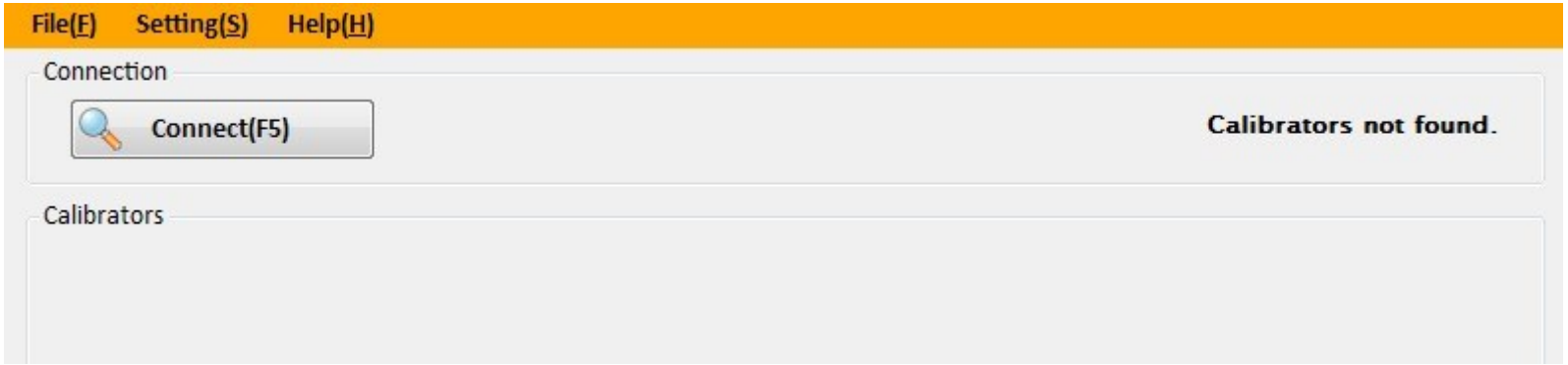


Figure 4.2.1

4.2.2 Exit

This will close the Additel/Land.

4.3 Setting Menu

4.3.1 SerialPort

This will open the **SerialPort** screen.

Note : for a more detailed explanation, see chapter 8 bellow.

4.4. Help Menu

This will open the About ***Additel/Land*** screen.

The ***Help*** menu displays the "***About***" box, which will give you specific details regarding the Additel/Land system you are working with. See figure 4.4 below.



Figure 4.4

4.5 Calibrators List

This is the large section of the **HOME SCREEN** with the calibrators supported by Additel/Land.See figure 4.1 above.

Here you will see the calibrators connected by Additel/Land, after clicking the "***Connect***" button on the left top of the **HOME SCREEN**.

Chapter 5 ADT681 Calibrator

By clicking the ADT681 calibrator displayed in the list on the bottom of **HOME SCREEN**, you will see the **ADT681 Logging Manager Screen**. See figure 5 below.



Figure 5

5.1 Logging Files List

By clicking the tool strip button labeled "***Refresh***" on the toolbar of **ADT681 Logging Manager Screen**, you will see the data on the **Logging Files Area**. Here you will see the records displayed on the right. See figure 5.1 below

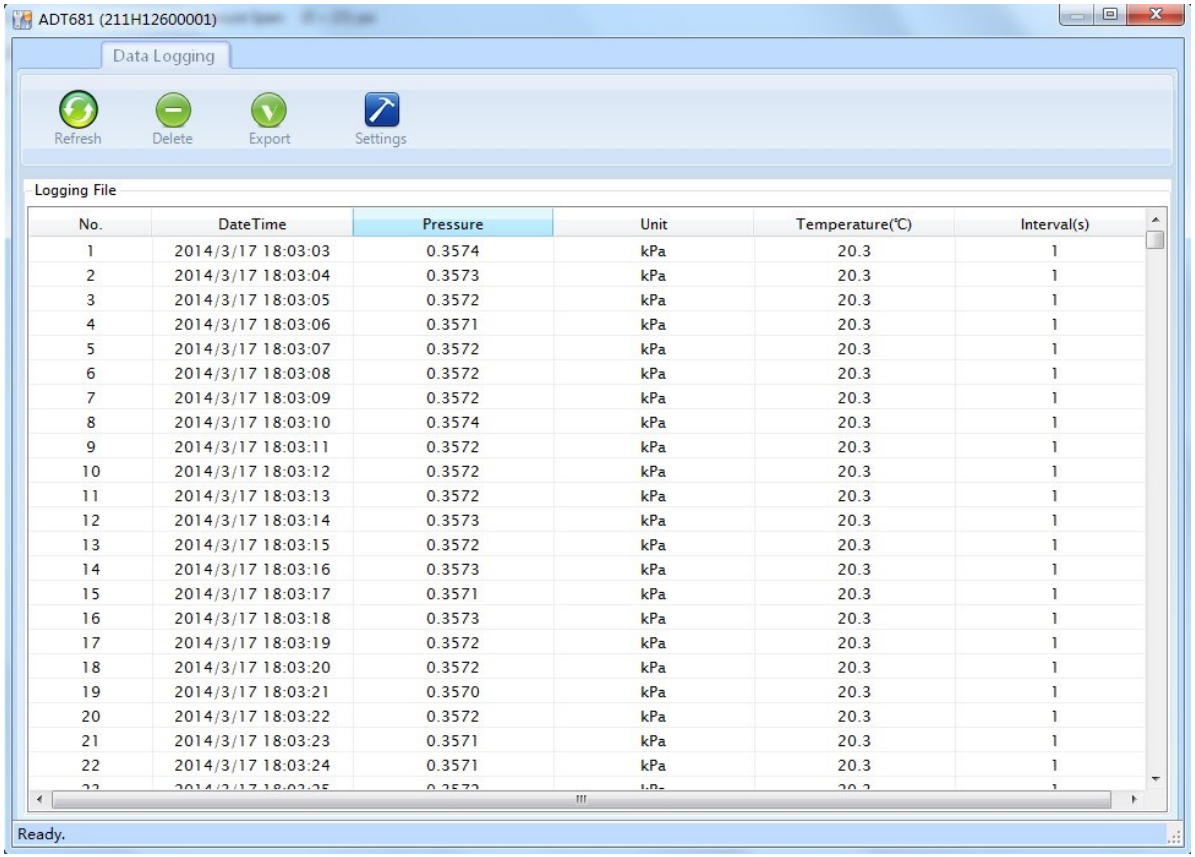


Figure 5.1

5.2 Delete

To delete all records saved in ADT681 by clicking the tool strip button labeled "***Delete***" on the toolbar of **ADT681 Logging Manager Screen.**

5.3 Export

To export records saved in a file, by clicking the tool strip button labeled “***Exportl***” on the toolbar of **ADT681 Logging Manager Screen.**

5.4 Settings

To set the unit of the records displayed on the screen by clicking the tool strip button labeled “***Settings***” on the toolbar of **ADT681 Logging Manager Screen.**

Chapter 6 ADT672 Calibrator

By clicking the ADT672 calibrator displayed in the list on the bottom of **HOME SCREEN**, you will see the **ADT672 Logging Manager Screen**. See figure 6 below.

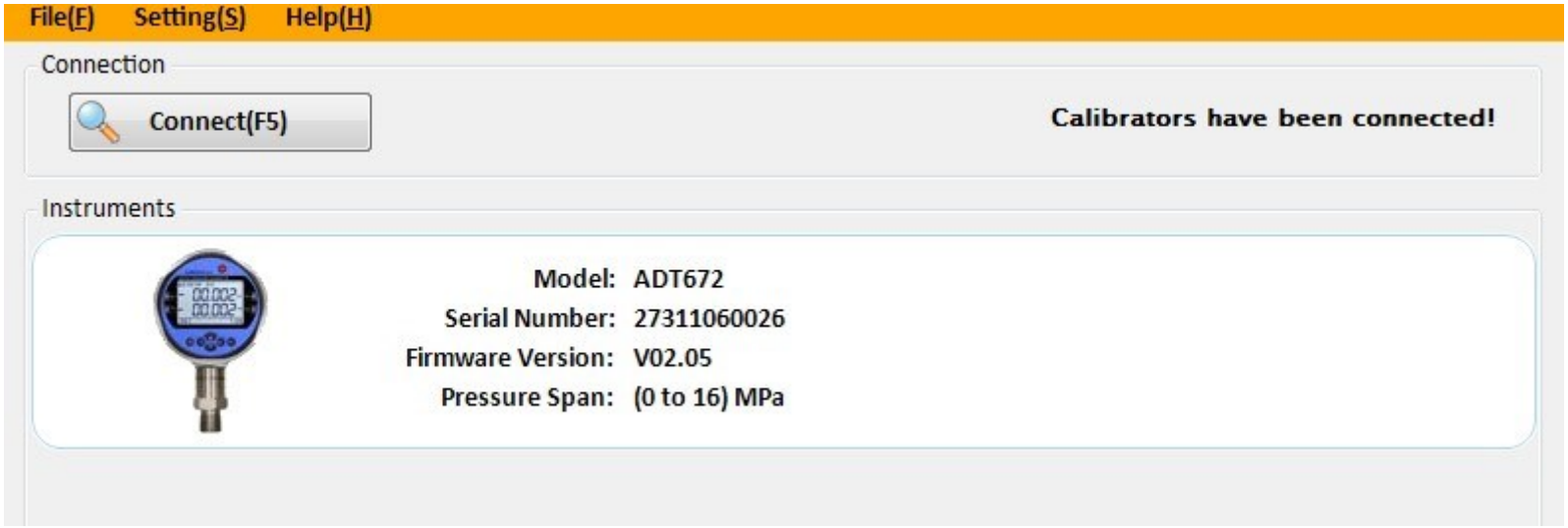


Figure 6

6.1 Logging Files List

By clicking the tool strip button labeled "***Refresh***" on the toolbar of **ADT672 Logging Manager Screen**, you will see the data on the **Logging Files Area**. Here you will see 30 files displayed on the left, and each file contains a maximum of 40 records displayed on the right. See figure 6.1 below

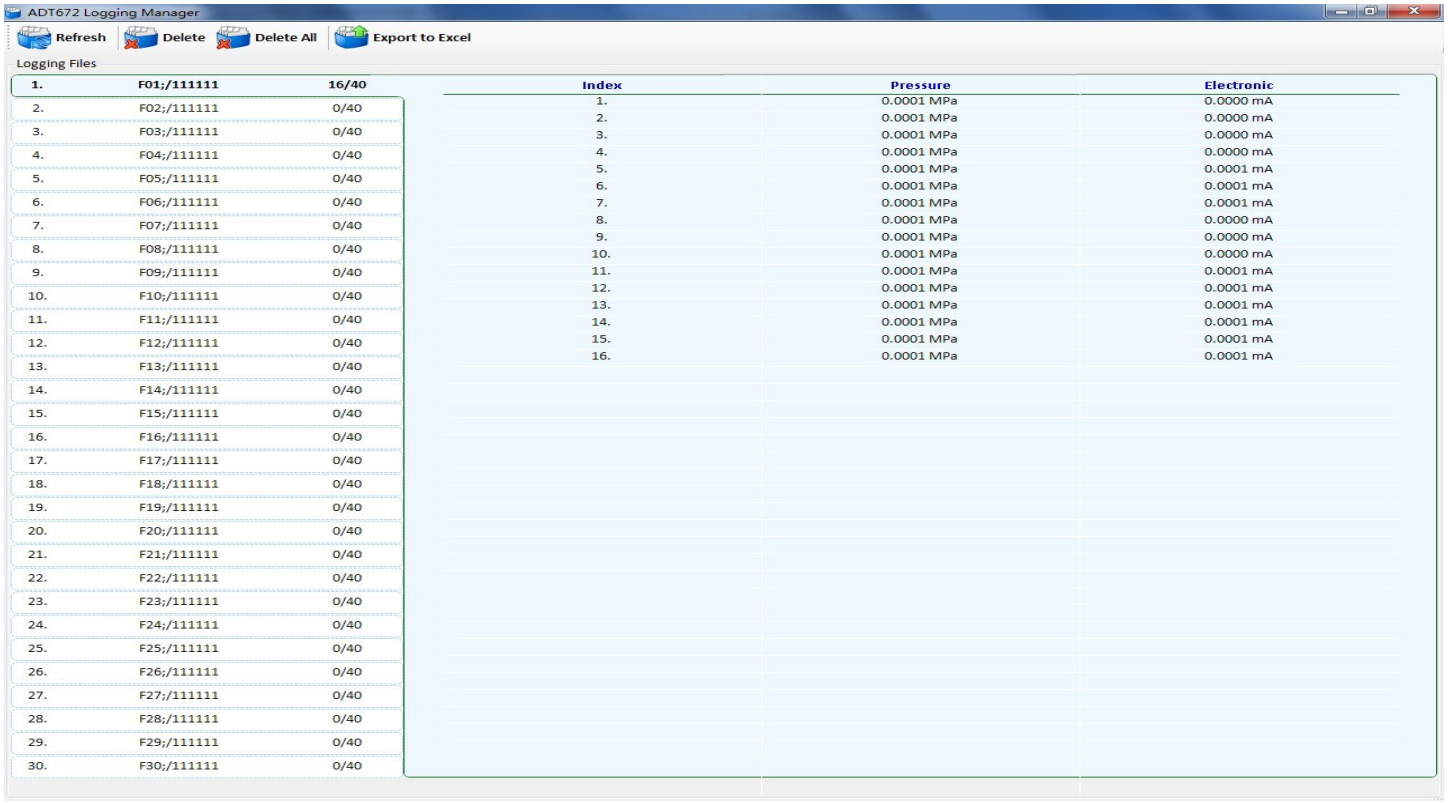


Figure 6.1

6.2 Delete

To delete records saved in a file, you must select the file on the left by clicking the tool strip button labeled “***Delete***” on the toolbar of **ADT672 Logging Manager Screen.**

6.3 Delete All

To delete all records saved in files by clicking the tool strip button labeled “***Delete All***” on the toolbar of **ADT672 Logging Manager Screen.**

6.4 Export Wizard

To export records saved in a file, by clicking the tool strip button labeled “***Export to Excel***” on the toolbar of **ADT672 Logging Manager Screen.**

Chapter 7 ADT22X series Calibrator

By clicking the ADT22X series calibrator displayed in the list on the bottom of **HOME SCREEN**, you will see the **ADT22X series Snapshot Manager Screen**. See figure 7 below.

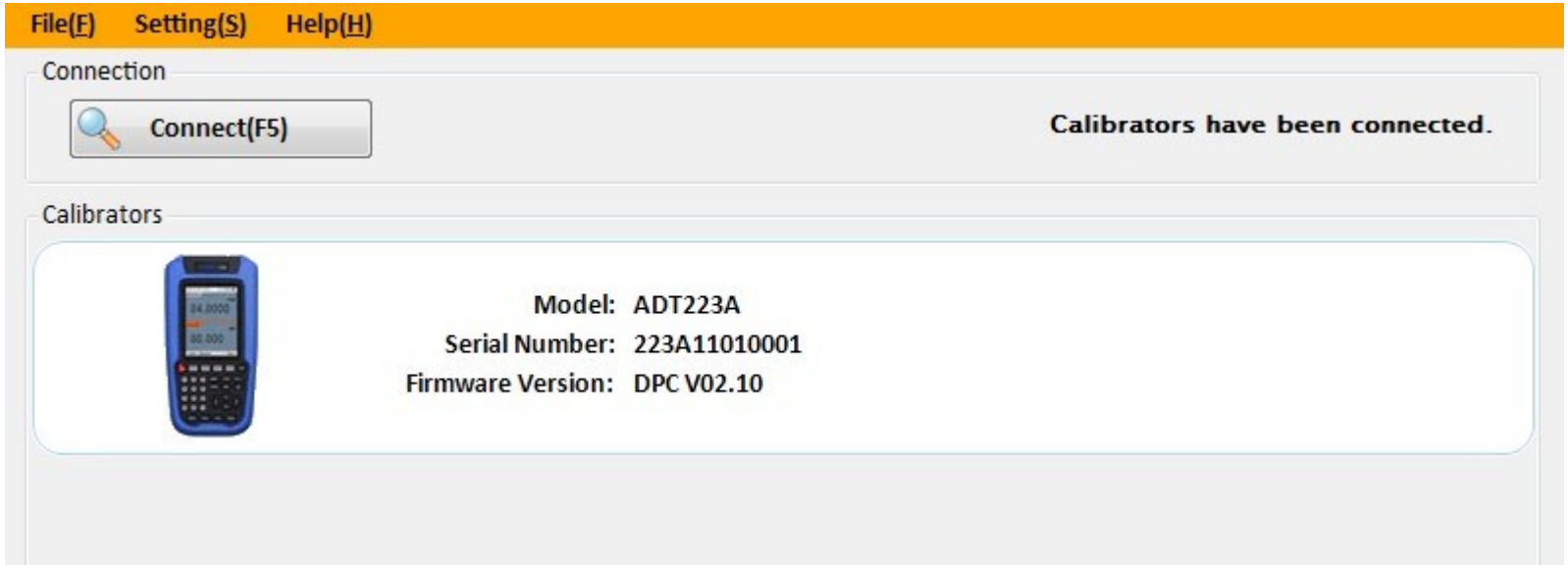
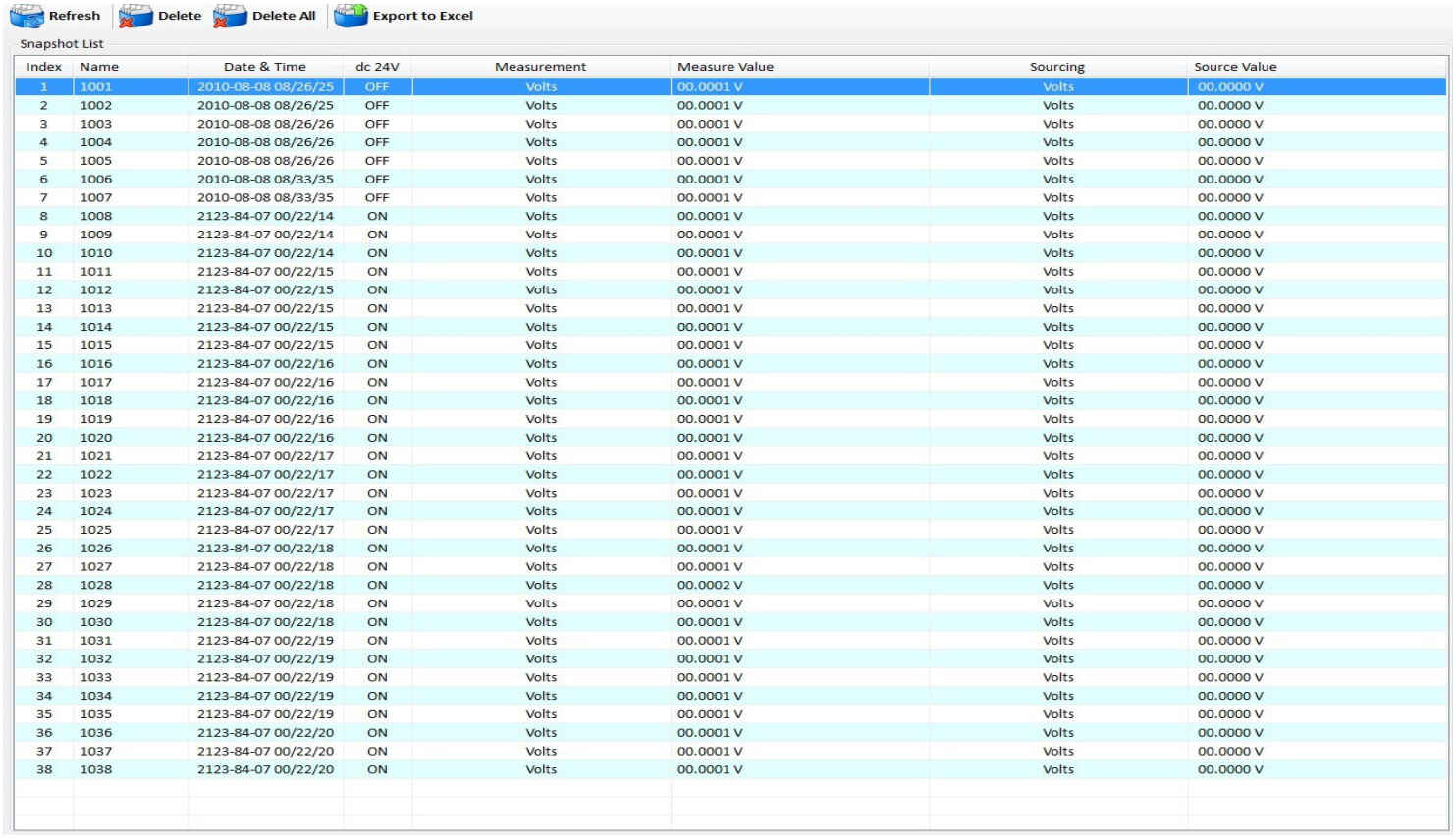


Figure 7

7.1 Snapshot list

By clicking the tool strip button labeled “Refresh” on the toolbar of **ADT22X series Snapshot Manager Screen**, all the snapshot data will be reloaded and displayed. Each data in this list represents a snapshot. See figure 7.1 below.



Index	Name	Date & Time	dc 24V	Measurement	Measure Value	Sourcing	Source Value
1	1001	2010-08-08 08/26/25	OFF	Volts	00.0001 V	Volts	00.0000 V
2	1002	2010-08-08 08/26/25	OFF	Volts	00.0001 V	Volts	00.0000 V
3	1003	2010-08-08 08/26/26	OFF	Volts	00.0001 V	Volts	00.0000 V
4	1004	2010-08-08 08/26/26	OFF	Volts	00.0001 V	Volts	00.0000 V
5	1005	2010-08-08 08/26/26	OFF	Volts	00.0001 V	Volts	00.0000 V
6	1006	2010-08-08 08/33/35	OFF	Volts	00.0001 V	Volts	00.0000 V
7	1007	2010-08-08 08/33/35	OFF	Volts	00.0001 V	Volts	00.0000 V
8	1008	2123-84-07 00/22/14	ON	Volts	00.0001 V	Volts	00.0000 V
9	1009	2123-84-07 00/22/14	ON	Volts	00.0001 V	Volts	00.0000 V
10	1010	2123-84-07 00/22/14	ON	Volts	00.0001 V	Volts	00.0000 V
11	1011	2123-84-07 00/22/15	ON	Volts	00.0001 V	Volts	00.0000 V
12	1012	2123-84-07 00/22/15	ON	Volts	00.0001 V	Volts	00.0000 V
13	1013	2123-84-07 00/22/15	ON	Volts	00.0001 V	Volts	00.0000 V
14	1014	2123-84-07 00/22/15	ON	Volts	00.0001 V	Volts	00.0000 V
15	1015	2123-84-07 00/22/15	ON	Volts	00.0001 V	Volts	00.0000 V
16	1016	2123-84-07 00/22/16	ON	Volts	00.0001 V	Volts	00.0000 V
17	1017	2123-84-07 00/22/16	ON	Volts	00.0001 V	Volts	00.0000 V
18	1018	2123-84-07 00/22/16	ON	Volts	00.0001 V	Volts	00.0000 V
19	1019	2123-84-07 00/22/16	ON	Volts	00.0001 V	Volts	00.0000 V
20	1020	2123-84-07 00/22/16	ON	Volts	00.0001 V	Volts	00.0000 V
21	1021	2123-84-07 00/22/17	ON	Volts	00.0001 V	Volts	00.0000 V
22	1022	2123-84-07 00/22/17	ON	Volts	00.0001 V	Volts	00.0000 V
23	1023	2123-84-07 00/22/17	ON	Volts	00.0001 V	Volts	00.0000 V
24	1024	2123-84-07 00/22/17	ON	Volts	00.0001 V	Volts	00.0000 V
25	1025	2123-84-07 00/22/17	ON	Volts	00.0001 V	Volts	00.0000 V
26	1026	2123-84-07 00/22/18	ON	Volts	00.0001 V	Volts	00.0000 V
27	1027	2123-84-07 00/22/18	ON	Volts	00.0001 V	Volts	00.0000 V
28	1028	2123-84-07 00/22/18	ON	Volts	00.0002 V	Volts	00.0000 V
29	1029	2123-84-07 00/22/18	ON	Volts	00.0001 V	Volts	00.0000 V
30	1030	2123-84-07 00/22/18	ON	Volts	00.0001 V	Volts	00.0000 V
31	1031	2123-84-07 00/22/19	ON	Volts	00.0001 V	Volts	00.0000 V
32	1032	2123-84-07 00/22/19	ON	Volts	00.0001 V	Volts	00.0000 V
33	1033	2123-84-07 00/22/19	ON	Volts	00.0001 V	Volts	00.0000 V
34	1034	2123-84-07 00/22/19	ON	Volts	00.0001 V	Volts	00.0000 V
35	1035	2123-84-07 00/22/19	ON	Volts	00.0001 V	Volts	00.0000 V
36	1036	2123-84-07 00/22/20	ON	Volts	00.0001 V	Volts	00.0000 V
37	1037	2123-84-07 00/22/20	ON	Volts	00.0001 V	Volts	00.0000 V
38	1038	2123-84-07 00/22/20	ON	Volts	00.0001 V	Volts	00.0000 V

Figure 7.1

7.2 Delete

To delete a snapshot, you must select a snapshot in the list by clicking the tool strip button labeled “***Delete***” on the toolbar.

7.3 Delete All

To delete all records saved in files by clicking the tool strip button labeled "***Delete All***" on the toolbar.

7.4 Export Wizard

To export all the snapshot displayed in the snapshot list, by clicking the tool strip button labeled "***Export to Excel***" on the toolbar.

Index	Name	Date & Time	dc 24V	Measurement	Measure Value	Sourcing	Source Value
1	1001	2010-08-08 08/26/25	OFF	Volts	00.0001 V	Volts	00.0000 V
2	1002	2010-08-08 08/26/25	OFF	Volts	00.0001 V	Volts	00.0000 V
3	1003	2010-08-08 08/26/26	OFF	Volts	00.0001 V	Volts	00.0000 V
4	1004	2010-08-08 08/26/26	OFF	Volts	00.0001 V	Volts	00.0000 V
5	1005	2010-08-08 08/26/26	OFF	Volts	00.0001 V	Volts	00.0000 V
6	1006	2010-08-08 08/33/35	OFF	Volts	00.0001 V	Volts	00.0000 V
7	1007	2010-08-08 08/33/35	OFF	Volts	00.0001 V	Volts	00.0000 V
8	1008	2123-84-07 00/22/14	ON	Volts	00.0001 V	Volts	00.0000 V
9	1009	2123-84-07 00/22/14	ON	Volts	00.0001 V	Volts	00.0000 V
10	1010	2123-84-07 00/22/14	ON	Volts	00.0001 V	Volts	00.0000 V

Figure 7.4

Chapter 8 AD761 calibrator

By clicking the AD761 calibrator displayed in the list on the bottom of **HOME SCREEN**, you will see the **AD761 Snapshot Manager Screen**. See figure 8 below.

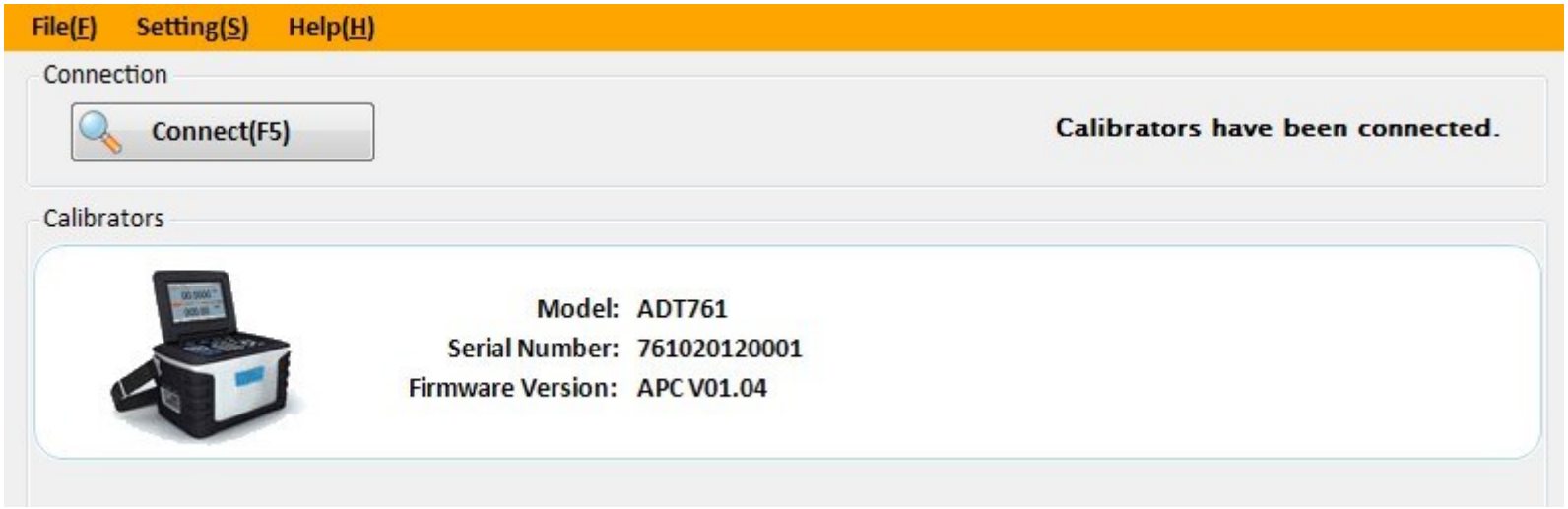
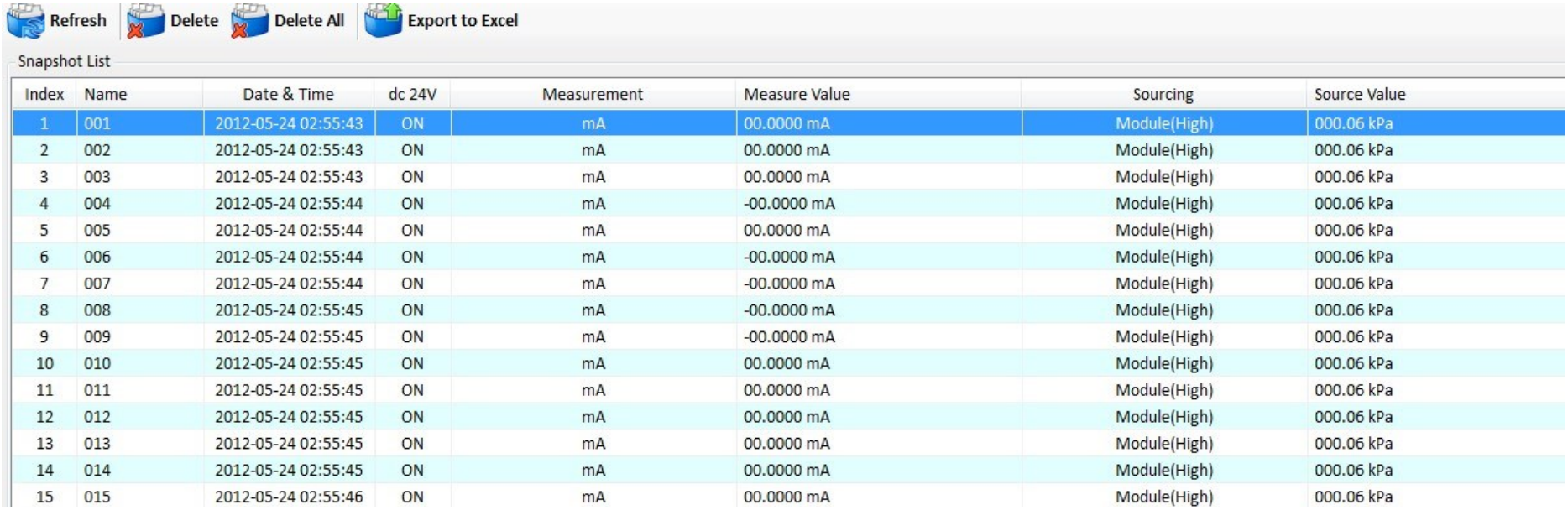


Figure 8

8.1 Snapshot list

By clicking the tool strip button labeled “Refresh” on the toolbar of **AD761 Snapshot Manager Screen**, all the snapshot data will be reloaded and displayed. Each data in this list represents a snapshot. See figure 8.1 below.



Index	Name	Date & Time	dc 24V	Measurement	Measure Value	Sourcing	Source Value
1	001	2012-05-24 02:55:43	ON	mA	00.0000 mA	Module(High)	000.06 kPa
2	002	2012-05-24 02:55:43	ON	mA	00.0000 mA	Module(High)	000.06 kPa
3	003	2012-05-24 02:55:43	ON	mA	00.0000 mA	Module(High)	000.06 kPa
4	004	2012-05-24 02:55:44	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
5	005	2012-05-24 02:55:44	ON	mA	00.0000 mA	Module(High)	000.06 kPa
6	006	2012-05-24 02:55:44	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
7	007	2012-05-24 02:55:44	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
8	008	2012-05-24 02:55:45	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
9	009	2012-05-24 02:55:45	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
10	010	2012-05-24 02:55:45	ON	mA	00.0000 mA	Module(High)	000.06 kPa
11	011	2012-05-24 02:55:45	ON	mA	00.0000 mA	Module(High)	000.06 kPa
12	012	2012-05-24 02:55:45	ON	mA	00.0000 mA	Module(High)	000.06 kPa
13	013	2012-05-24 02:55:45	ON	mA	00.0000 mA	Module(High)	000.06 kPa
14	014	2012-05-24 02:55:45	ON	mA	00.0000 mA	Module(High)	000.06 kPa
15	015	2012-05-24 02:55:46	ON	mA	00.0000 mA	Module(High)	000.06 kPa

Figure 8.1

8.2 Delete

To delete a snapshot, you must select a snapshot in the list by clicking the tool strip button labeled “***Delete***” on the toolbar.

8.3 Delete All

To delete all records saved in files by clicking the tool strip button labeled “***Delete All***” on the toolbar.

8.4 Export Wizard

To export all the snapshot displayed in the snapshot list, by clicking the tool strip button labeled “***Export to Excel***” on the toolbar.See figure 7.4 below

Index	Name	Date & Time	dc 24V	Measurement	Measure Value	Sourcing	Source Value
1	001	2012-05-24 02:55:43	ON	mA	00.0000 mA	Module(High)	000.06 kPa
2	002	2012-05-24 02:55:43	ON	mA	00.0000 mA	Module(High)	000.06 kPa
3	003	2012-05-24 02:55:43	ON	mA	00.0000 mA	Module(High)	000.06 kPa
4	004	2012-05-24 02:55:44	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
5	005	2012-05-24 02:55:44	ON	mA	00.0000 mA	Module(High)	000.06 kPa
6	006	2012-05-24 02:55:44	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
7	007	2012-05-24 02:55:44	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
8	008	2012-05-24 02:55:45	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
9	009	2012-05-24 02:55:45	ON	mA	-00.0000 mA	Module(High)	000.06 kPa
10	010	2012-05-24 02:55:45	ON	mA	00.0000 mA	Module(High)	000.06 kPa

Figure 8.4

Chapter 9 Ports Configuration

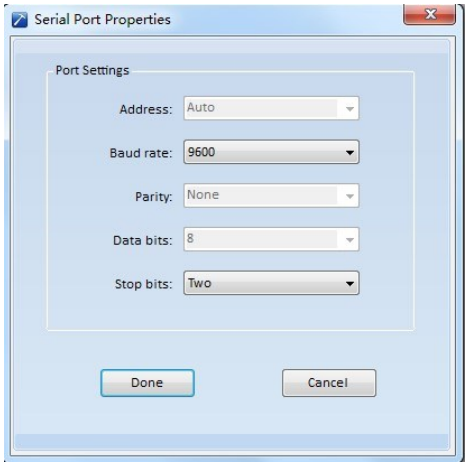
9.1 Possible communication problems

? Be sure the cable is connected to the calibrator properly, and to your PC's serial port as well. Consult your calibrator's documentation for the correct method of connection.

? Programs that use a serial port to connect to other external devices, such as Palm Pilots, should be shut down when using this program with that same serial port. The computer needs to recognize that the COM port is free, and can be used for communication with the calibrator device.

9.2 Procedures

To communicate with the calibrator, you need to configure the port settings by clicking the "***SerialPort***" box of the **Setting Menu** on the **HOME SCREEN**. The **SerialPort Screen** will be shown (see figure 9.2 below). After completing that, you could manually build the connection by clicking the "***Connect***" button on the left top of the **HOME SCREEN**.


Serial Port Properties
Port Settings
Address:
Auto
Baud rate:
9600
Parity:
None
Data bits:
8
Stop bits:
Two
Done
Cancel
Figure 9.2