



UNI-T UT181A True RMS Datalogging Meter User Manual

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UNI-T UT181A True RMS Datalogging Meter



Installation

System Requirements

To Install this software,your computer should contain:

- Pentium 1G-megahertz (MHz) processor or faster
- At least 1GB of RAM
- At least 2GB of available space on the hard disk
- USB 2.0 / 3.0 Port(s)

The software only supports the following operating systems: Windows with version no lower than Vista

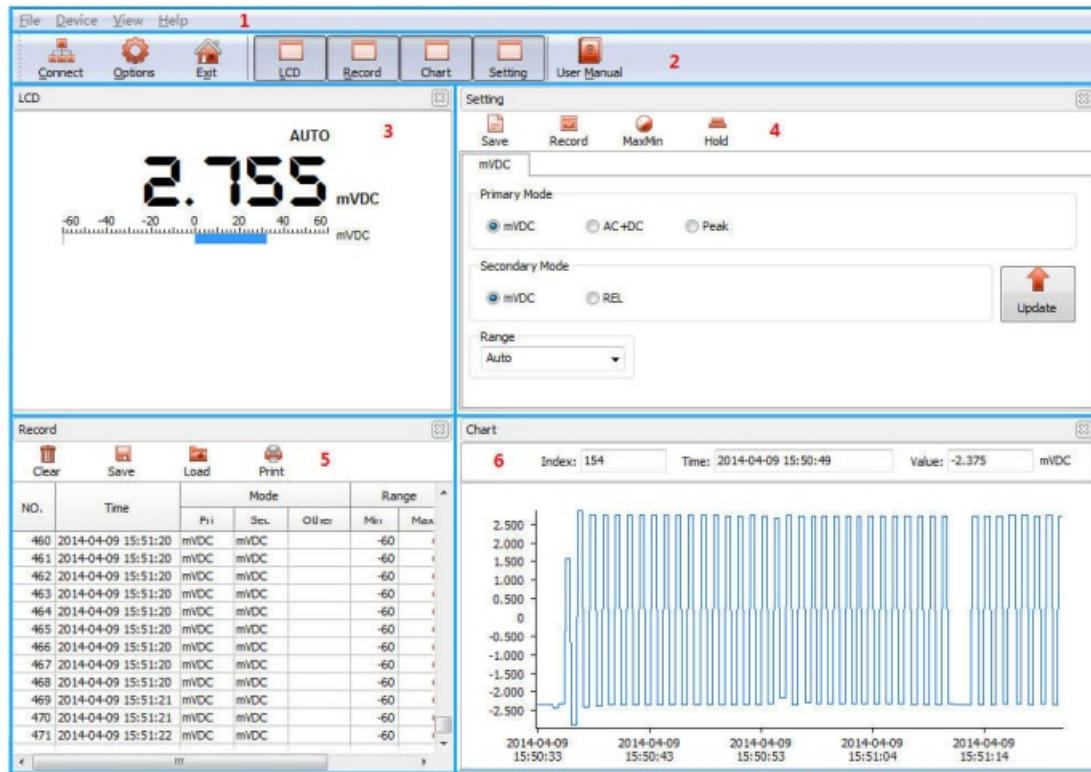
Install software

1. Insert the installation CD-ROM into your computer.
2. The menu will be opened automatically (if installation doesn't start immediately, double-click autorun.exe in your CD-ROM directory).

Launch the software

To start the application, please go to Start Menu->All Programs->DMM


Main screen of the software is as follows:



1	Main menu area	Users can access different functions through the main menu.
2	Toolbar area	Users can access different functions through the Toolbar.
3	Display area	Shows the current measured value.
4	Command area	Users can send command to device.
5	Record area	Display the measure data in list form.
6	Measure chart area	Display the measure data in a graphical format.

Using the software








Click  connected to the PC and meter will automatically start taking measurements (Before connection, make sure you have enabled its data transmission function).

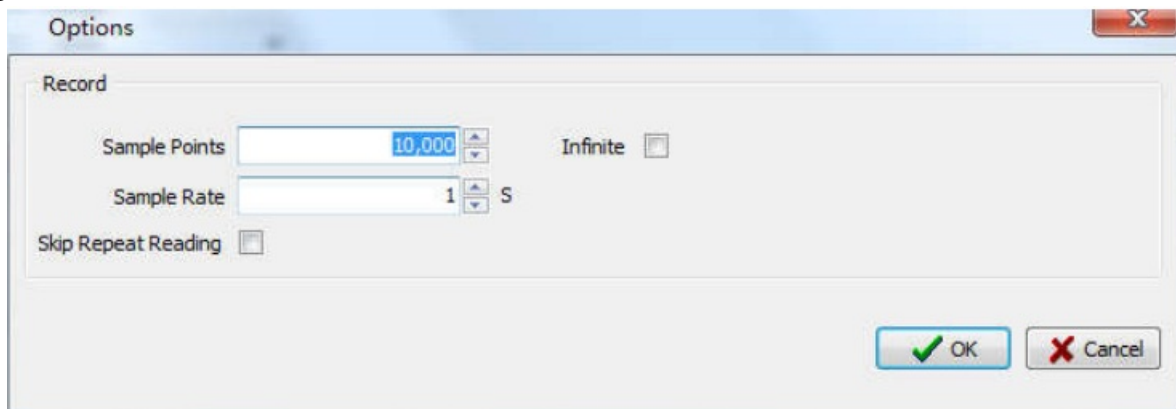
Main menu area

1	File -> Options	Setting the software.
2	File -> Exit	Exit the software.
3	Device -> Connect	Connect/Disconnect device.
4	View -> XXXX	Show/Hide Child window.
5	Help -> Manual	User manual.

Fast bar area

1		Connect/Disconnect device.
2		Setting the software.
3		Exit the software.
4		Show/Hide Child window.
5		User manual.

Setting the software



The 'Options' dialog box is shown with the following settings:

- Record** section:
 - Sample Points:** 10,000 (with up/down arrows)
 - Infinite:** ☐
 - Sample Rate:** 1 S (with up/down arrows)
 - Skip Repeat Reading:** ☐
- Buttons:** OK (with a green checkmark icon) and Cancel (with a red X icon).

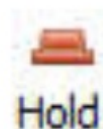
1	Sample Points	Instruct the recorder to take a finite number of readings.
2	Sample Rate	Instruct the recorder to readings at a specific rate.
3	Skip repeat Reading	System will not record a duplicate reading if this option was checked.





Display area

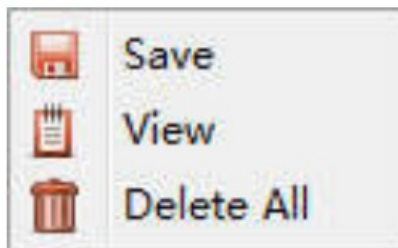
Shows the current measured value.

Command area




Change the secondary function









1	 Save	Click to open SAVE menu, refer to 3.4.1.1.
2	 Record	Click to open Record menu, refer to 3.4.1.2.
3	 MaxMin	Enter/exit MAXMIN mode.
4	 Hold	Enter/exit Hold mode.



1. Save Menu






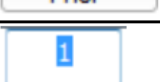

1	 Save	To save a datum
2	 View	To display stored data, refer to 3.4.1.1.1
3	 Delete All	To delete all stored data

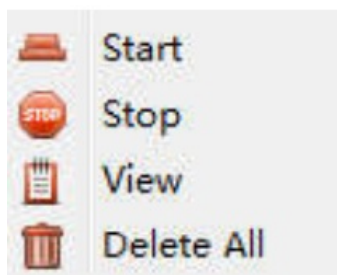
2. Display stored data

<div>  Save  Print  Refresh  Delete  Prior 1  Next </div>														1
Total 37 20 Records per page														2
NO.	Time	Mode			Range		MeasureValue							
		Pri	Sec	Other	Min	Max	Main	Unit	Aux1	Unit	Aux2	Unit	Aux3	Uni
1	2014-04-09 14:59:16	mVDC	mVDC		-60	60	-3.001	mVDC						
2	2014-04-09 14:59:17	mVDC	mVDC		-60	60	-4.820	mVDC	3					
3	2014-04-09 14:59:31	mVDC	mVDC		-60	60	-0.572	mVDC						
4	2014-04-09 14:59:32	mVDC	mVDC		-60	60	-2.445	mVDC						
5	2014-04-09 14:59:32	mVDC	mVDC		-60	60	-0.840	mVDC						
6	2014-04-09 14:59:33	mVDC	mVDC		-60	60	-0.865	mVDC						
7	2014-04-09 15:19:12	mVDC	mVDC		-60	60	-2.433	mVDC						
8	2014-04-09 15:19:14	mVDC	mVDC		-60	60	-2.728	mVDC						
9	2014-04-09 15:19:14	mVDC	mVDC		-60	60	-1.004	mVDC						
10	2014-04-09 15:19:15	mVDC	mVDC		-60	60	-0.530	mVDC						
11	2014-04-09 15:19:15	mVDC	mVDC		-60	60	-4.012	mVDC						
12	2014-04-09 15:19:16	mVDC	mVDC		-60	60	-4.012	mVDC						
13	2014-04-09 15:19:16	mVDC	mVDC		-60	60	2.883	mVDC						
14	2014-04-09 15:19:16	mVDC	mVDC		-60	60	2.883	mVDC						
15	2014-04-09 15:19:17	mVDC	mVDC		-60	60	-1.978	mVDC						
16	2014-04-09 15:19:17	mVDC	mVDC		-60	60	-1.978	mVDC						
17	2014-04-09 15:19:17	mVDC	mVDC		-60	60	-4.175	mVDC						
18	2014-04-09 15:19:17	mVDC	mVDC		-60	60	-4.493	mVDC						
19	2014-04-09 15:19:18	mVDC	mVDC		-60	60	-4.493	mVDC						
20	2014-04-09 15:19:18	mVDC	mVDC		-60	60	-0.138	mVDC						





1	Toolbar area	Refer to 3.4.1.1.1.1
2	Information area	Display the quantity of the stored data and set the number of data to be displayed on each page when load stored data
3	Display area	Display the loaded stored data

3. Toolbar area

1		Save the loaded stored data
2		Print the loaded stored data
3		Reload the stored data
4		Delete selected stored data
5		Last page of stored data
6		Current page number
7		Next page of stored data



4. Record Menu

1	 Start	Start recording new record data, Refer to 3.4.1.2.1
2	 Stop	Stop recording record data
3	 View	Display record data, refer to 3.4.1.2.2
	 Delete All	Delete all record data

5. New Record Data Settings


Record Setting

Name:

Interval: Min Sec

Duration: Days Hrs Min










Press  to begin recording new record data


6. Display Record Data




1	Toolbar area	Refer to 3.4.1.2.2.1
2	Description area	Display the description of record data
3	Chart area	Display record chart, refer to 3.4.1.2.2.2

7. Toobar area

1	 Save	Save the record data
2	 Load	Load the saved record data and enter into loading mode
3	 Refresh	Reload the record data
4	 Delete	Delete the selected record data
5	 Exit	Exit the loading mode
6	 Prior	Previous record data record
7	9	Number of record data
8		Current page number

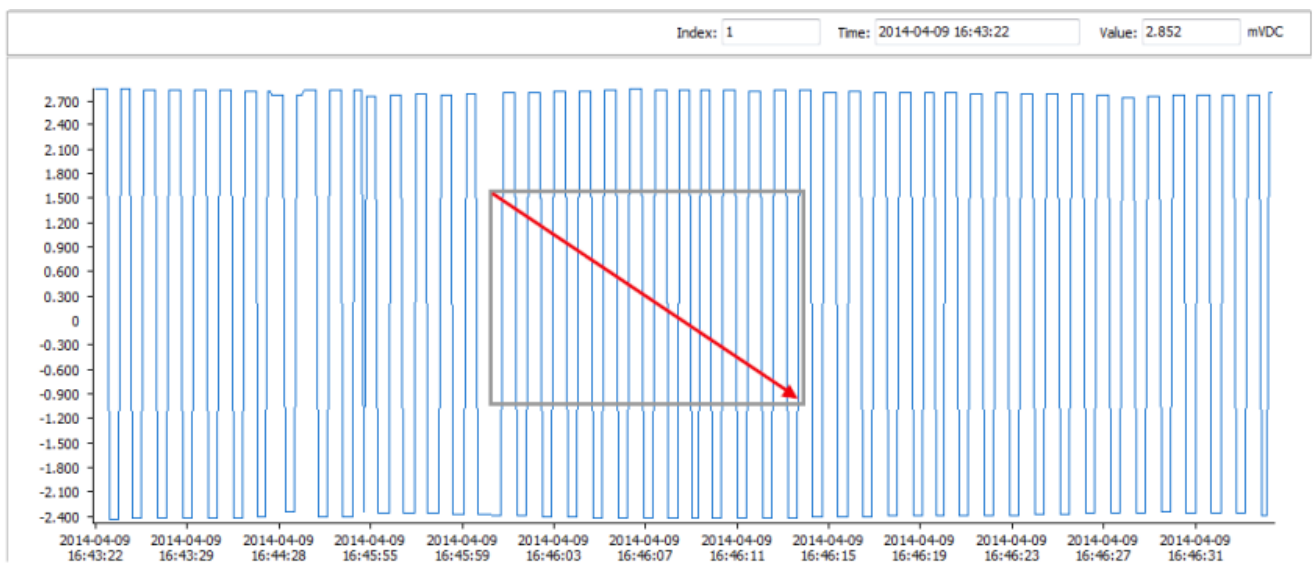
9	 Next	Next record data record
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3.4.1.2.2.2 Chart area

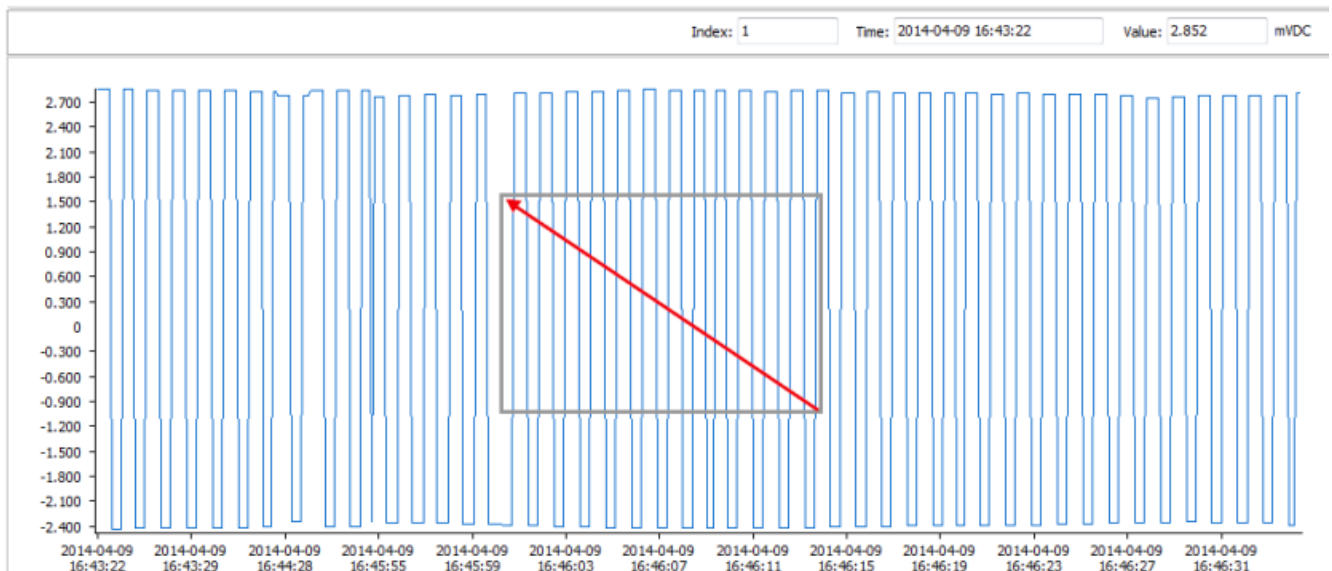
1	 Stop	Stop loading record data
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8. Zoom in on Record Chart

Zoom in: Press down the left mouse button and drag it to lower right, and then release at a proper position. See figure below:



Restoration: Press left mouse button and drag it to upper left, and then release at a proper position. See figure below:



9. Change the measure mode

mVDC

Primary Mode

☒ mVDC ☐ AC+DC ☐ Peak

Secondary Mode

☒ mVDC ☐ REL

Update



Select mode first, then click to shift.

Change the Range

Range

Auto

Select range from the drop-down list




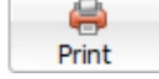
Record area

 Clear


 Save

 Load

 Print

1	 Clear	Clear all data.
2	 Save	Save data.
3	 Load	Load data.
4	 Print	Print data.

Documents / Resources

	UNI-T UT181A True RMS Datalogging Meter [pdf] User Manual UT181A, True RMS Datalogging Meter, UT181A True RMS Datalogging Meter
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