

IT9000 Control Software PV6800A-B User Manual

www.tehencom.com



Notices

© Itech Electronic, Co., Ltd. 2020 No part of this manual may be reproduced in any form or by any means (including electronic storage and retrieval or translation into a foreign language) without prior permission and written consent from Itech Electronics, Co., Ltd. as governed by international copyright laws.

Manual Part Number

IT9000-PV6800A-B

Revision

1st Edition: Jan 17, 2020 Itech Electronic, Co., Ltd.

Trademarks

Pentium is U.S. registered trademarks of Intel Corporation.

Microsoft, Visual Studio, Windows and MS Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries and regions.

Warranty

The materials contained in this document are provided "as is", and is subject to change, without prior notice, in future editions. Further, to the maximum extent permitted by applicable laws. ITECH disclaims all warrants, either express or implied, with regard to this manual and any information contained herein, including but not limited to implied the warranties of merchantability and fitness for a particular purpose. ITECH shall not be held liable for errors or for incidental or indirect damages in connection with the furnishing, use or application of this document or of any information contained herein. Should ITECH and the user enter into a separate written agreement with warranty terms covering the materials in this document that conflict with these terms, the warranty terms in the separate agreement shall prevail. **Technology Licenses**

The hardware and/or software described herein are furnished under a license and may be used or copied only in accordance with the terms of such license.

Restricted Rights Legend

Restricted permissions of the U.S. government. Permissions for software and technical data which are authorized to the U.S. Government only include those for custom provision to end users. this ITECH provides customary commercial license in software and technical data pursuant to FAR 12.211 Data) Technical and 12.212 Computer Software) and, for the DFARS Department of Defense, 252.227-7015 (Technical Data -DFARS Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation).

Safety Notices

CAUTION

A CAUTION sign denotes a hazard. It calls attention to an operating procedure or practice that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a CAUTION sign until the indicated conditions are fully understood and met.

WARNING

A WARNING sign denotes a hazard. It calls attention to an operating procedure or practice that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING sign until the indicated conditions are fully understood and met.



A NOTE sign denotes important hint. It calls attention to tips or supplementary information that is essential for users to refer to.



Content

Chapter1	Brief Introduction	1
	vare Introduction	
1.2 IT900	0 Interface Introduction	1
Chapter2	Basic Operation	3
2.1 Hardv	ware Configuration	3
2.1.1 F	unction Introduction	3
2.1.2 C	Configuring Hardware	3
2.1.3 C	Configuring Interface of Device	4
	eries, Parallel and Synchronization Configuration	
2.2 Data S	Setting and Saving	9
2.3 Data (Query	11
Chapter3	PV6800 Control Interface	
	duction of Control Interface	
3.2 Settin	g Voltage and Current	
3.3 Fast S	et	
3.4 Progra	am	
3.5 GO/N	IG	20
3.6 Curve	Zoom Out and Translation	22



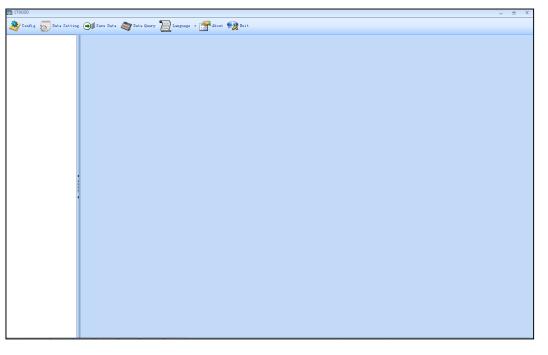
Chapter1 Brief Introduction

1.1 Software Introduction

IT9000-PV6800A-B is a kind of easy-to-use and practicable control software designed by Itech Electronic Co., Ltd. It is applicable to Itech IT6800A/B Series power supply. With this software, you can take all operations for power supply front panel via computer control and enjoy great convenience in remote control. This software supports RS232, USB, GPIB and Ethernet serial port communication.

1.2 IT9000 Interface Introduction

After run IT9000, the software will initialize, in about 2 seconds, the below interface will appear:



The interface is described as follows:

□ IT9000				
Config 🔬 Data Setting	💓 Save Data 🔌	🗑 Data Query 📜 Language	• 🕋 About	👷 Exit

Config

Configuration function, to configure hardware information for control power supply device of IT9000 software control, including power supply device alias, device interface and interface parameter, and to configure sub-devices (e.g., channels) for each device.

• Date Setting

Data setting, mainly to select numeric field to be saved, device alias and save interval before data saving.

Save Date

Data saving, mainly to save current test data. Before data saving, please set data at first.



• Date Query

Data query, to open the data file saved before.

• Language

To select software language version, including Simplified Chinese, Chinese-traditional and English.

About

To list related information of software, including Company website.

• Exit

To exit IT9000 software.



About the detailed function of IT6800A-B, please refer to IT6800A-B User Manual.



Chapter2 Basic Operation

2.1 Hardware Configuration

2.1.1 Function Introduction

The hardware configuration interface of IT9000 software is as shown below.

PV6800A					1		
DeviceAlias	DeviceInterface	InterfaceParameter	ChannelNumber	Series	Parallel	Synchronization	A
PV6800A_1	RS232 🔻	ASRL1::INSTR,9600,	1				
					Tool ba	ar	
			111		Tool ba	ar	

- The "Device bar" includes settings for device alias, device interface, interface parameter and channel number:
 - Device Alias: the alias of a device, used to distinguish devices of same model.
 - Device Interface: drop-down options include RS232, GPIB, USB and Ethernet.
 - Interface Parameter: the interface parameter corresponding to device interface.
 - Channel Number: to set the channel number of sub-device.
 - Series: to display series configuration name in series connection of devices.
 - Parallel: to display parallel configuration name in parallel connection of devices.
 - Synchronization: to display synchronization configuration name in synchronization of devices.
 - Address: to set power supply communication address (used for devices with frame format protocol).
- Main toolbar functions:
 - Add: to add hardware device.
 - Delete: to delete specific device.
 - Series/Parallel/sync Config
 - OK: to confirm hardware configuration information.

2.1.2 Configuring Hardware

This function enables the user to create new hardware information or modify



existing hardware device information. Detailed operation steps will be given below taking creation of new device information as example.

Operation steps

- 1. Run IT9000 software and click "Configure" icon.
- 2. Click "Add" button in the Configuration Interface and display the currently added hardware device information and default parameter of device in the "Device bar" at top. As shown below.

ardware Config						
PV6800A						
DeviceAlias	DeviceInterface	InterfaceParameter	ChannelNumber	Series	Parallel	Synchronization
PV6800A_1	RS232 🔻	ASRL1::INSTR,9600,	1			
•			III			
		es/Parallel/Sync Config				ОК

To change default parameter of hardware device (e.g., device interface, interface parameter and channel number), you may click the parameter for change.

- Device Alias: double click to edit device alias.
- Device Interface: to select from the drop-down box.
- Interface Parameter: double click to configure in the Configure Dialog. For details, refer to Section 2.1.3 "Communication Interfaces of Configuration Device".
- Channel Number: set the channel number of sub-device. The channel number is changeable.
- 3. Click "OK" to save the configuration information of current hardware device. At this time, the device name (device alias @ channel number) will be displayed at top left of the interface. To pop up the Control Interface, you need to double click the Device Name.

📷 IT9000			STATE CARD AND
👋 Config 듌 Data Setting	💓 Save Data 🦾 Data Query	📔 Language 🗸 🚰 About	: 👧 Exit
of 116800_2			

2.1.3 Configuring Interface of Device

IT9000 software is installed in PC and interacts with matching hardware devices via different communication interfaces. This software supports interfaces like USB, RS232, GPIB and Ethernet interface. When configuring the hardware device, configure different interface types based on actual needs and set corresponding interface parameters for different interfaces.



Operation steps

1. Select the device interface corresponding to the hardware device to be edited from the Hardware Configuration Interface, and select the interface type from the drop-down list.

DeviceInter	rface
VSB	-
RS232	
USB	
GPIB	
Ethernet	

- 2. After selecting the device interface, double click corresponding "Interface Parameter" column. The system will pop up "Interface Configuration" window.
 - RS232 Interface Parameter Configuration

Interface Config						
BS232						
ComPort						
BaudRate	9600 🔹					
Parity Check	None 🔻					
DataBits	8 🗸					
StopBit	1 -					
	OK Cancel					

Serial interface: to select serial interface, i.e., the serial interface number occupied by RS232 communication cable interface.

Baud rate, parity check bit, data bits and stop bit must be configured consistently with those in menu setup.

• GPIB Interface Parameter Configuration

Interface Config	×
GPIB	
GPIB	
GPIBO::1::INSTR	
GPIBO::1::INSTR	
	OK Cancel

During GPIB communication of power supply device, the address setting range is: 1-30.



USB Interface Parameter Configuration

USB	
UCD	
USB	
USB0::0x05E6::0x	2380::80244001070742000

• LAN Interface Parameter Configuration

If LAN interface is used for communication, both computers and device are connected via HUB (or, the device and computer are directly connected via cross network cable). The computer and device IP setting should be in a same network segment.

Interface Config	X
Ethernet	
IP Address	192. 168. 0. 1
Port	6000
	OK Cancel

3. After interface parameter configuration, click "OK". Finish interface parameter configuration.

2.1.4 Series, Parallel and Synchronization Configuration

This configuration is used when several devices or several channels are connected. Setting types include series, parallel and synchronization. IT6800 Series can be configured with parallel and synchronization.

Parallel configuration

1. Follow the above steps to configure and connect 2 sets of IT6800 devices.



На	ard	lware Config								
	PV6800A									
		DeviceAlias	DeviceInterface	2	InterfaceParameter	ChannelNumber	Series	Parallel	Synchronization	Ac
Ш		PV6800A_1	USB	•	USB0::0xFFFF::0x680	1				
		PV6800A_2	USB	•	USB0::0xFFFF::0x680	2				
	C	Add	Delete Se	erie	es/Parallel/Sync Config					ж

2. Click "Series/Parallel/Synchronization" button and click "Parallel" in the figure below.

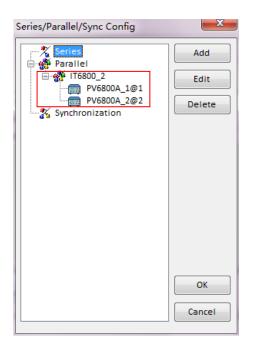
Series/Parallel/Sync Config	×
Series Faralel Synchronization	Add Edit Delete
	OK Cancel

3. Click "Add" button to create parallel.

Create Parallel								
Alias								
Device List								
PV6800A_1@1 PV6800A_2@2								
All Hardware								
OK								

- 4. Name alias: IT6800_2. Click the box at front of PV6800_1 and PV6800_2 and select the devices for parallel.
- 5. Click "OK" button. The Parallel Configuration Interface will display configured device.

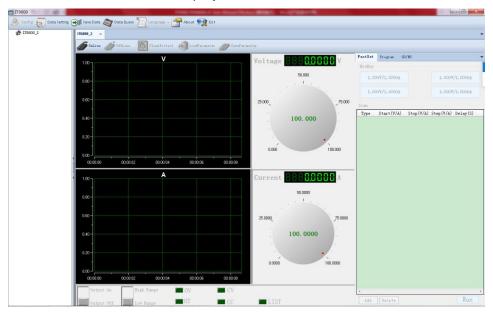




6. Click "OK" to save the current parallel configuration information. At this time, the parallel configuration name "IT6800_2" will be displayed at the left top of the interface.

🕎 IT9000	CORE Frances
🄌 Config <u>ज</u> Data Setti	ng 🎯 🖉 Save Data 🦣 Data Query 汩 Language 🗸 🚰 About 👧 Exit
# IT6800_2	
11	

7. Double click IT6800_2 to display the Parallel Control Interface.



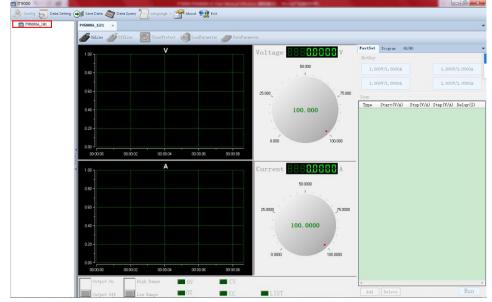


2.2 Data Setting and Saving

IT9000 can save test data. Before data saving, select the data field to be saved. Select the device alias for saving and the save interval.

Operation step

1. After device hardware configuration is finished, double click the device name (device alias @ channel number) displayed at top left of the interface. At this time, Device Control Interface will be displayed. As shown below.



2. Click "Data Setting" icon to enter the Data Setting Interface.

DeviceAlias	Data Field		Save Field	
PV6800A_1@1				
		Add		
		Delet		
SaveInterval 100	00 🚖 mS		Save Da	ata Cancel

3. Click the alias of the device requiring data saving.



Select Save Data Field				×
DeviceAlias	Data Field		Save Field	
PV6800A_1@1	Voltage Current Power	Add		
SaveInterval 1000	mS		Save Data	Cancel

4. In "Data Field" bar, check the box at front of Data Field (Voltage, Current, Power), and click "Add" button to enter the "Save Field" bar.

Select Save Data Field		
DeviceAlias	Data Field	Save Field 🔲 All
PV6800A_1@1	Voltage Current Power	PV6800A_1@1::Voltage PV6800A_1@1::Current
SaveInterval 1000	≜ mS	Add Delet Save Data Cancel

You may also click the Field Name in the Save Field bar. Click "Delete" button to delete the saved field.

- 5. Set "Save Interval".
- 6. Click "Save Data" button to save data setting.
- 7. In the Control Interface, click "Save Data" icon to appear the interface as shown below. You need to input Save File Name.

Input Table Name		×
Table Name <mark>Table2020_01</mark>	09_14_10_51	
	ОК	Cancel



8. Click "OK" button in the figure above to start data save. Then, the icon will

change to

, and "Data Setting" and "Data Query" will be grayed

out. Click

icon to stop saving.

2.3 Data Query

IT9000 software provides query function for measured data. You can query measured data at different periods of time and export and save these measured data.

Operation steps

- 1. Click icon to enter the Data Query Interface.
- 2. In Data Query Interface, select and click the "Table Name" of data saving, and the test data will be displayed in the data list. As shown below.

Data Query						×
Table Name	DataLi	st				
Table2020_01_09_14_10_	P	Id	PV6800A_1_1Vc	PV6800A_1_1Cu	SaveTime 🔺	
	•	1	2.998	0	2020-01-09 14:10:5	
		2	2.998	0	2020-01-09 14:10:5	
		3	2.998	0	2020-01-09 14:10:5	
		4	2.998	0	2020-01-09 14:10:5	
		5	2.998	0	2020-01-09 14:11:0	
		6	2.998	0	2020-01-09 14:11:0	
		7	2.998	0	2020-01-09 14:11:(
		8	2.998	0	2020-01-09 14:11:0	
		9	2.998	0	2020-01-09 14:11:0	
		10	2.998	0	2020-01-09 14:11:(
		11	2.998	0	2020-01-09 14:11:(
		12	2.998	0	2020-01-09 14:11:0	Delete
		13	2.998	0	2020-01-09 14:11:0	
		14	2.998	0	2020-01-09 14:11:0	Export
۰ III +	•					Cancel

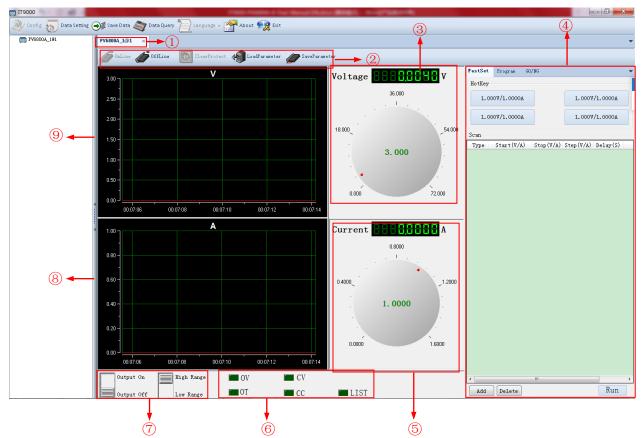
- Delete: to delete the data in current data list.
- Export: Click Export to export the data in current data list to EXCEL table. Saving path is optional.
- Cancel: to exit the Data Query Interface.



Chapter3 PV6800 Control Interface

3.1 Introduction of Control Interface

The PV6800 Control Interface of IT9000 software is as shown below.



- 1. Tab bar, to switch the display of Control Interfaces of different devices.
- 2. Toolbar, main functions include:

Online: remote control, to set the power supply to Remote Control mode.

Offline: local switch, to return the power supply back to Local Mode from Remote Mode.

Clear Protect: to clear power supply protection status.

Load Parameter: to call test parameters saved before, including fast setting, scan, program and test parameters.

Save Parameter: to save fast setting, scan, program and test parameters, for fast access and usage by the user.

- 3. Pulsating knob to control voltage.
- 4. Fast setting, program and test operation area.
- 5. Pulsating knob to control current.
- 6. Display power supply status (constant voltage (CV), constant current (CC), over voltage (OV), over temperature (OT), program test (LIST).
- 7. Output status and Range status
- 8. Current curve graph.



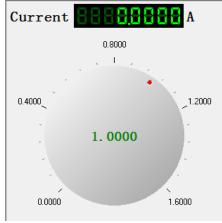
9. Voltage curve graph.

3.2 Setting Voltage and Current

You can set voltage and current via Simulated Pulsating Knob (not so accurate setting) or Fast Setting Function (accurate setting).

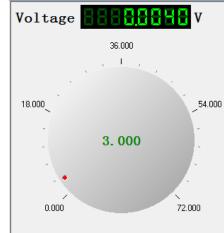
Setting Current

- 1. Move the mouse to Simulated Pulsating Knob. Click and rotate the mouse to set the current value.
- 2. In addition, you may use hot key (described latter) for accurate setting.



Setting Voltage

- 1. Move the mouse to Simulated Pulsating Knob. Click and rotate the mouse to set the voltage value.
- 2. In addition, you may use hot key (described latter) for accurate setting.







When setting the set value with software, be sure that you have clicked to make it gray out. Set the power supply to Remote Control status.



3.3 Fast Set

Hotkey

HotKey	
1.000V/1.0000A	1.000V/1.0000A
1.000V/1.0000A	1.000V/1.0000A

Hotkey:

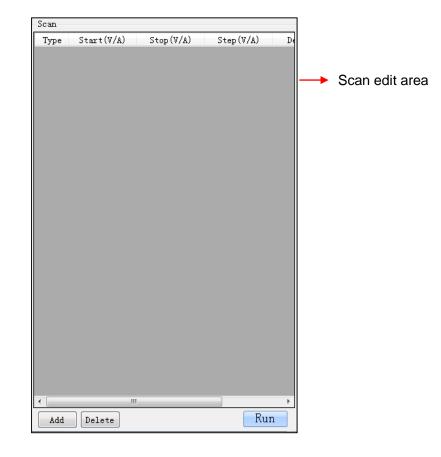
This is a fast setting convenient for usage. Under each mode, there are 4 setting values available for fast selection. Under different operation modes, you only need to set required value and click mouse to execute corresponding operation.

Change data:

1. Right click the area for data change to pop up the dialog as shown below.

HotKey	x
1.000	v
1.0000	A
Setting	

2. You may change the fast setting value for voltage/current based on requirements.



Scan

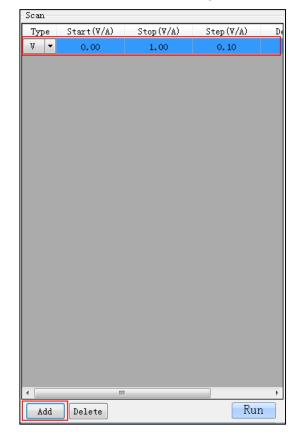


Scan Voltage:

Set a series of voltage values. For example: Start value=1V, stop value=10V, step value=1V, delay=2s. Click "Run" and power supply will be run based on those scan values.

Under scan operation, be sure to select one operation type (V, I). Scan operation steps will be described below taking scan voltage as an example.

1. Click "Add" button and add a group of scan data in the scan edit area.



2. Select scan type. Click the drop-down arrow under the Type bar to pop up the Type List as shown. Click and select required type.



- 3. Double click the value corresponding to scan data (Start, Stop, Step, Delay, Loop). Set them to required values and click OK.
- 4. Click "Run" button to execute scan operation.



Scan				
Туре	Start(V/A)	Stop(V/A)	Step(V/A)	De
V -	1.00	5.00	1.00	
4				•
Add	Delete		Sto	

5. Click "Stop" button to stop scan operation.



3.4 Program

The User can edit the test procedures composed of several steps through the application (List) function.

FastSet	Program	GO/NG			•	
Step	Volta	age (V)	Current(A)	Delay(S)		
Step 1	1.000		Lurrent (A)	1.0	> Progra	amming pag
Add - RunTimes © Once		Delete] Import Exj	port DownLo	d	

Introduction of List display

Add: Add a step. Click this button to add 1 step.

Insert: Insert a step. Click this button to insert 1 step before current step.

Delete: Delete a step. Click this button to delete current step.

Import: Import external List documents.

Export: Export List file being edited.

Run Times: Run times of List programs, which can be set as Once/Repeat or Custom.

Download: Download the editing List file on the current Software Interface to the selected number file for local running by power supply.

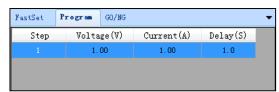
Run: Run List program.

Run sequence from PC: If the box in front of "Run sequence from PC" is checked, it means that test is done via PC. You may record the run times.



Edit List

- 1. Click "Program" tab to enter Fast Programming page.
- 2. At the bottom of Programming page, click "Add" button to add the first step of program.



- 3. Double click the value corresponding to program step (Voltage, Current, Delay). Set them to required values and click OK.
- 4. Repeat step 2-3 to set other four steps in List file.

FastSet	Program	GO/NG			•
Step	Volta	ge(V)	Current(A)	Delay(S)	
1	1.	00	1.00	5.0	
2	2.	00	1.00	5.0	
3	3.	00	1.00	5.0	
4	4.	00	1.00	5.0	
5	5.	00	1.00	5.0	

Import List file from externals

IT9000 software supports import function of list files. The user can finish the editing of List file in Excel and import it into the software. This function simplifies the List file edit and facilitates user operation. Detailed operation steps are as below:

- 1. Create a new Excel document on local PC and name it List 1.
- 2. Open the Excel document and save it as in "other formats" i.e. "(*.csv)".
- 3. Open the List 1.csv document and edit the List. Set every step of the List and corresponding parameters.

	1	2	3	4
1	Voltage(V	Current (A	Delay(S)	
2	1.5	0.5	5	
3	2	1	5	
4	1	0.6	5	
5	4	0.5	5	
6	3	1	5	
7				

4. Click "Import" button. Select and open List 1.csv file. Finish import of the List file.



FastSet	Program GO/NG			•
Step	Voltage(V)	Current(A)	Delay(S)	
1	1.50	0.50	5.0	
2	2.00	1.00	5.0	
3	1.00 0.60		5.0	
4	4.00	0.50	5.0	
5	3.00	1.00	5.0	

Run List

- 1. Follow the steps above to edit List file.
- 2. Set Run Times, including Once/Repeat or Custom. When Custom is selected, you may set the repetition count of programs.

-RunTimes-					
Once	🔘 Repeat	🔘 Custom	3	3	

- 3. Select PC or Local Running LIST program.
 - Run sequence from PC

If the box in front of "Run sequence from PC" is checked, it means that test is done via PC. You may record the run times.

Local Run

If the box in front of "Run sequence from PC" is not checked, it means that List is run via local device. At first, select the number of current editing List file (0~9) and click "Download" button to download the editing List file on the current Software Interface to the selected number file for local running by power supply.

4. Click "Run" to run program file. Click "Stop" to stop operation.



3.5 GO/NG

With this function, you can test whether the selected power supply meets required specifications.

FastSet	Program	GO/IIG		•	
Step	Mode	Set(V/A)	Measure(V/A)	Туре	
					→ GO/NG edit page
•				- F	
Add	Insert	Delete	mport Export	Run	1

Introduction of GO/NG interface

Mode: to select mode. Click the drop-down arrow in Mode bar to pop up the mode list as shown below. Select the required mode.

V	-
V	
Ι	

Set(V/A): to set the set value under specific mode, like I 3A.

Measure(V/A): this option is a read-back value and requires no setting.

Type: This option is measured value type. Setting method is same as mode selection. Options include V, I.

V	-
V	
Ι	

Max(V/A): to set maximum read-back value.



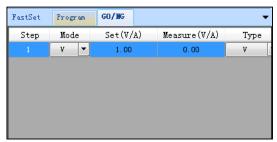
Min(V/A): to set minimum read-back value.

Delay(S): to test the delay time of each step.

Pass: to judge test results. This option cannot be set.

Edit GO/NG program

- 1. Click "GO/NG" tab to enter Test page.
- 2. At the bottom of Test page, click "Add" button to add the first step of Test procedure.



- 3. Set mode and type.
- 4. Double click the value corresponding to test program step (Set, Max, Min, Delay). Set them to required values and click OK.
- 5. Repeat steps 2-4 to set other four steps of Test Procedure.

FastSet	Progra	m	GO/11G			•
Step	Mode		Set(V/	A)	Measure(V/A)	Туре
1	V ·	•	5.00		0.00	v i
2	I	•	1.00		0.00	I
3	V ·	•	3.00		0.00	v ·
4	I	•	0.50		0.00	I
5	V ·	•	6.00		0.00	v

External import of GO/NG program

- 1. Create a new Excel document on local PC and name it Test 1.
- 2. Open the Excel document and save it as in "other formats" in "(*.csv)".
- 3. Open the Test 1.csv document and edit the Test. Set every step of the Test and corresponding parameters.

	A	В	С	D	E	F	G	Н
1	Mode	Set(V/A)	Measure(V	Туре	Max(V/A)	Min(V/A)	Delay(S)	Pass
2	V	10	0	V	10	0	1	
3	I	1	0	I	10	0	1	
4	V	5	0	V	10	0	1	
5	I	0.5	0	I	10	0	1	
6	V	1	0	V	10	0	1	
7								

4. Click "Import" button. Select and open Test 1.csv file. Finish import of the



Test file.

FastSet	Progr	am	GO/NG			-
Step	Mode	e	Set(V/	A)	Measure(V/A)	Туре
	V	-	10.00		0.00	v .
2	I	-	1.00		0.00	I
3	٧	-	5.00		0.00	v -
4	I	-	0.50		0.00	I
5	V	-	1.00		0.00	v -

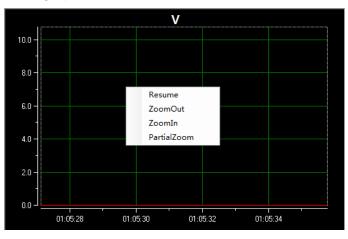
Run GO/NG Program

- 1. Follow the steps above to edit Test file.
- 2. Click "**Run**" to run program file. Click "**Stop**" to stop operation.
- 3. After running is completed, click "Export" to save the test results to Excel.
- 4. Name the file as **Test**. Open **Test** to display measured value and test result.

	A	В	С	D	E	F	G	Н	I
1	Mode	Set(V/A)	Measure(N	Туре	Max(V/A)	Min(V/A)	Delay(S)	Pass	
2	V	10	9.991	V	10.1	9.9	1	Pass	
3	I	1	0	I	1.1	0.99	1	NoPass	
4	V	5	5.003	V	5.1	4.99	1	Pass	
5	I	0.5	0	I	0.51	0.49	1	NoPass	
6	V	1	1.006	V	1.1	0.99	1	Pass	
7									

3.6 Curve Zoom Out and Translation

In the IT9000 software, voltage and current curve graphs have such functions as Resume, Zoom Out, Zoom In and Partial Zoom. Right click any one at the curve graph, as shown below.



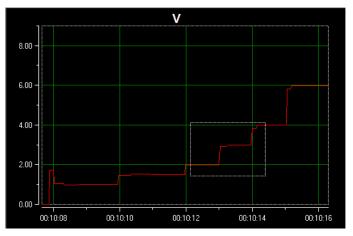
Curve zoom out

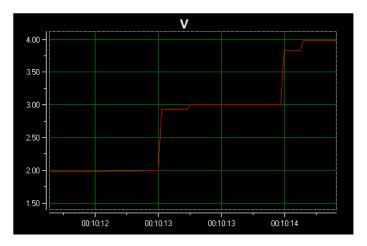
- 1. Right click the curve graph and select "Partial Zoom". At the bottom of cursor will display a small rectangle box.
- 2. Move the cursor of small rectangle box to pull out a bigger rectangle box to



define the location which you need enlarge the partial wave.

3. Release the mouse left key and the image will be promptly zoomed out.

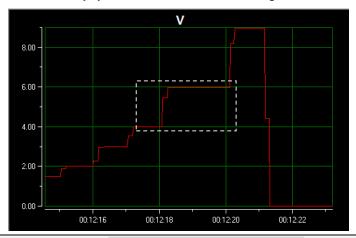




4. To resume dynamic records, right click the curve graph and choose "Resume".

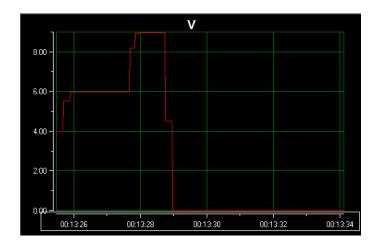
Translation view

- 1. Move the cursor shape to any position of the horizontal coordinate axis (Time Axis) and the mouse will change to be a hand.
- 2. Hold down the mouse left key to move the mouse. When moving left, you will see the curve after the current time; when moving right, you will see the curve before the current time.
- 3. Similarly, you can translate the voltage/current coordinate to view curve.



Copyright © Itech Electronics Co., Ltd.





4. To resume dynamic records, right click the curve graph and choose "Resume".

Contact US

Thank you for purchasing ITECH products. If you have any doubt about this product, please contact us as follows.

- 1. Please refer to the CD-ROM of related user's manual in package.
- 2. Visit ITECH website www.itechate.com.
- 3. Select the most convenient contact for further consultation.