



QTEST-UV

7-inch color touch screen microcomputer

Operation Instruction

Feature :

- 7-inch color touch screen microcomputer
- Programmable, flexibly combined radiation, condensation and water spray various tests
- Precision, 24-bit A / D conversion
- Support Chinese and English display
- Supports multiple power modesPower on again after power may continue to run
- Provision of computer monitoring software, Remote monitoring test status

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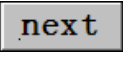


1. Instructions

1.1 Settings button

The product uses a touch-screen input, is a client operation is very convenient to use UV accelerated weathering test equipment programmable controller.

1.1.1 Basic Settings button

Basic Settings button is as follows: example 1-1

Number	Species		directions
1	General Execute button		Generally used to perform or to select
2	Turn to the next button		Use it to turn to a different setting screen
3	Setpoint selection button		Use it to select from two or three settings
4	Setpoint input buttons		Use it to select from two or three settings

1.1.2 Setpoint input keyboard

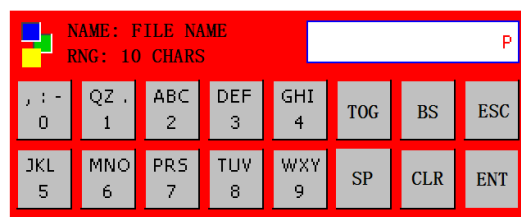
If the button from the basic setting (Table 1-1), press the set value input button, it will display the set value input keys, and you can enter the required data values.

If you enter the wrong number, it will sound an error tone "beep beep" while in the "Display Settings window" displays an error message - "Value Error!".

① Digital set input key



② Document Name Setting Key




NOTE Unlocked (KEY LOCK)


If the "Keypad Lock" is "on (locked)" state, you can not enter the setting. Therefore, the need for input setting, it must be "Keyboard Lock" is selected for "close (lock)", before they enter the setting.

More detailed setting mode, the reference [1.10 OTHER SET MENU](#).

1.1.3 Settings button and Validity of the set value:

Voice recognition according to whether the operation is normal and the input is valid, as follows:

 "Beep" : Press the Basic Settings button and setpoint input is normal.

 "Beep beep beep": With the set value input keys to enter the value exceeds the input range, or set the wrong order, or when the keyboard is locked.



CAUTION Handling Precautions

When you press the Basic Settings button and set value input keys, do not use sharp objects (such as; pencils, etc.), or too hard to hold a fingernail. Otherwise, it may cause the machine to malfunction or damage to the touch screen.

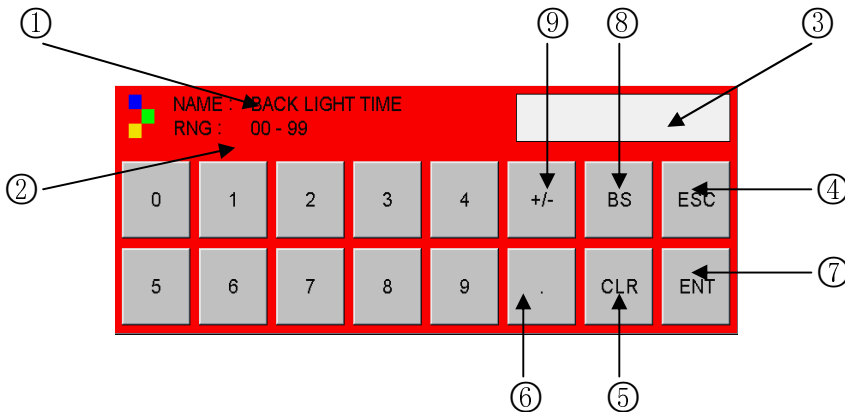
Note that, the instrument in order to avoid unreasonable input, the parameters are set, in the lower limit, or running the program requirements of the local order, require customers to set the upper limit value in strict accordance with the first, after the order of the lower limit set setting.

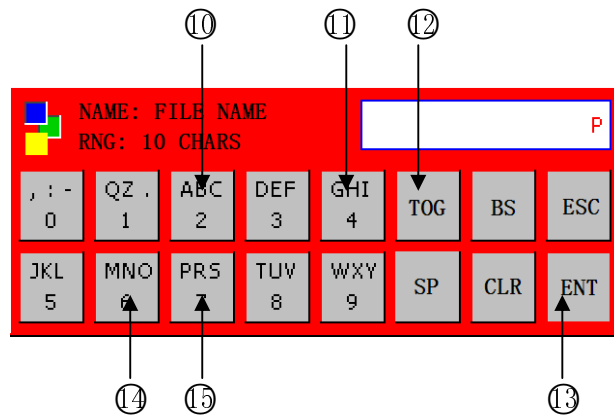
1.2 Setpoint input method

This product is used on all input values using the set value input keys, name Enter key to set.

When you press the Enter button appears when the set value input keys for inputting the user to set the value.

1.2.1 Setpoint input key functions and instructions





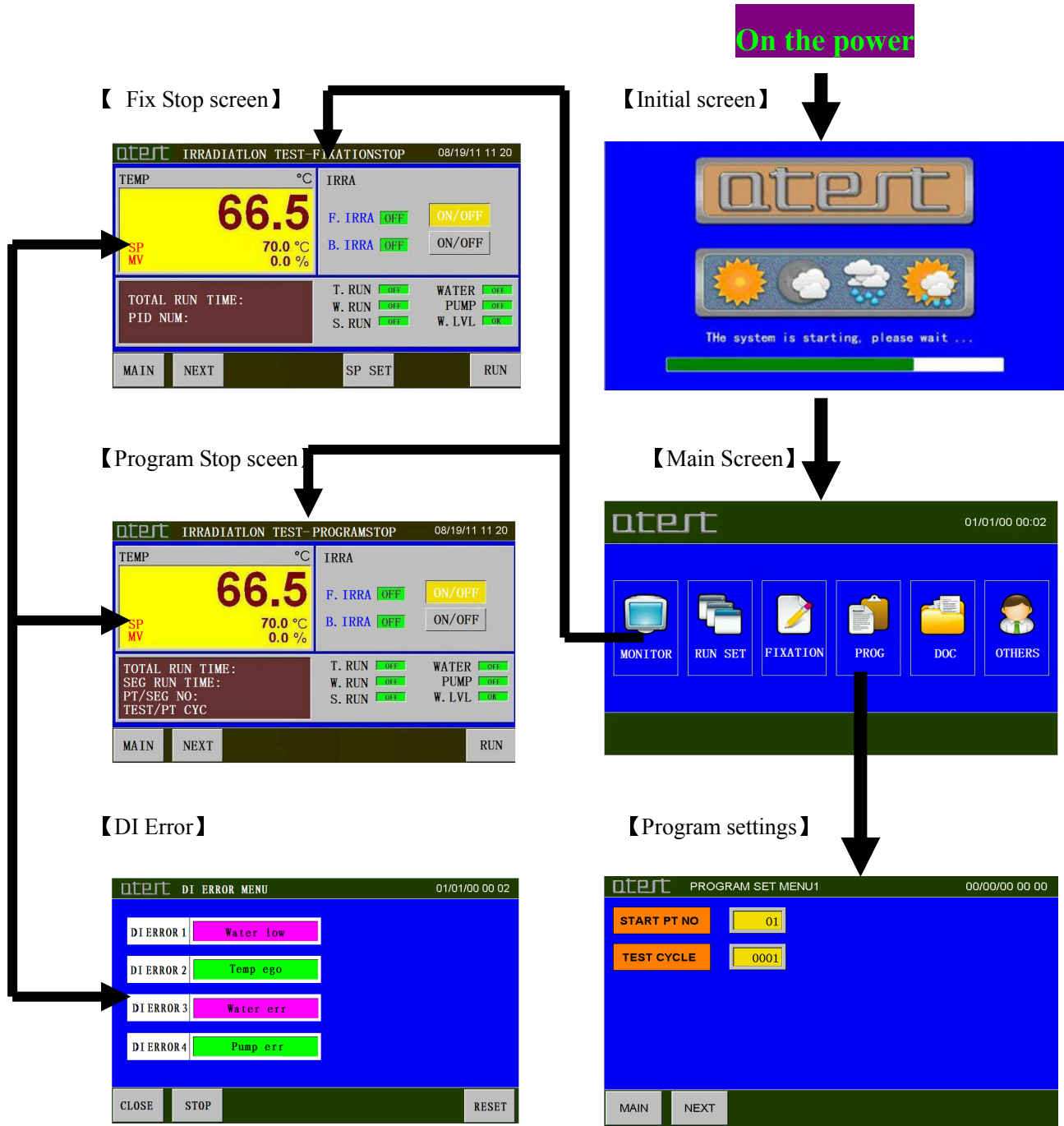
picture 1-1 Keyboard window

- ① Setting items labeled "Name."
- ② Setting items marked "scope."
- ③ For "setting display window" when a user enters a value exceeds the set range, an error message will be marked ("Value Error!").
- ④ Stop input returns to the main screen use.
- ⑤ Clear all input values is used.
- ⑥ Enter the decimal point is used.
- ⑦ Save the input values back to the main screen.
- ⑧ Modify the input value is used when the input value Yiziyizi cleared.
- ⑨ Enter symbol (+ / -) is used.
- ⑩ Toggle between letters.

For example: Enter the name value "PROG2", Then followed by input ⑮ → ⑮ → ⑫ → ⑭ → ⑫ → ⑫ → ⑪ → ⑩ → ⑫ → ⑫ → ⑫ → ⑬, You can set the name "PROG2".

1.3 Basic run Setup Flowchart

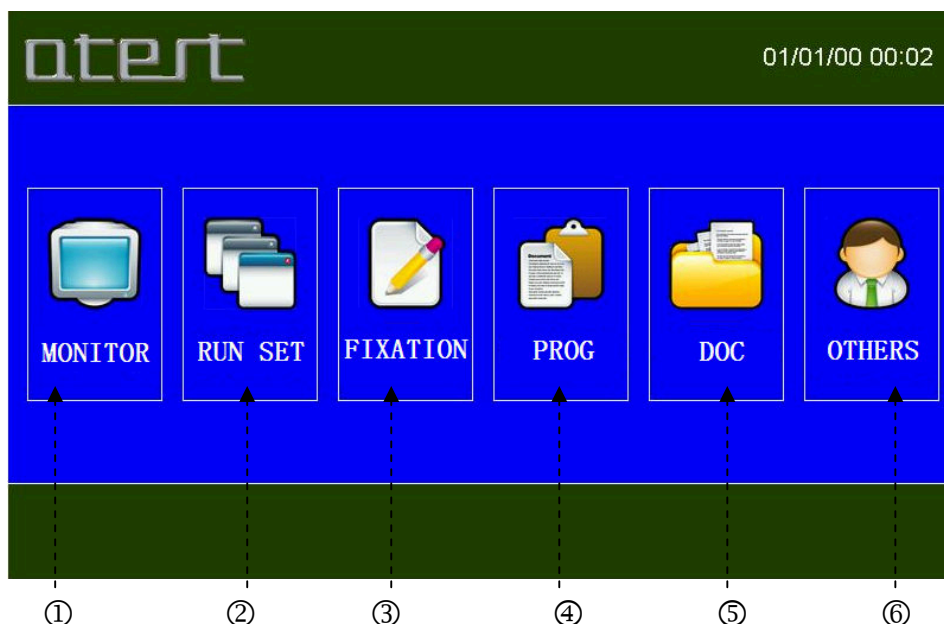
The entire flow is as follows:



1.4 Main menu screen

From the initial screen moves over the screen, the user can switch to the main menu screen other screens, the Main menu screen as shown below.

picture 1-2 Main menu screen



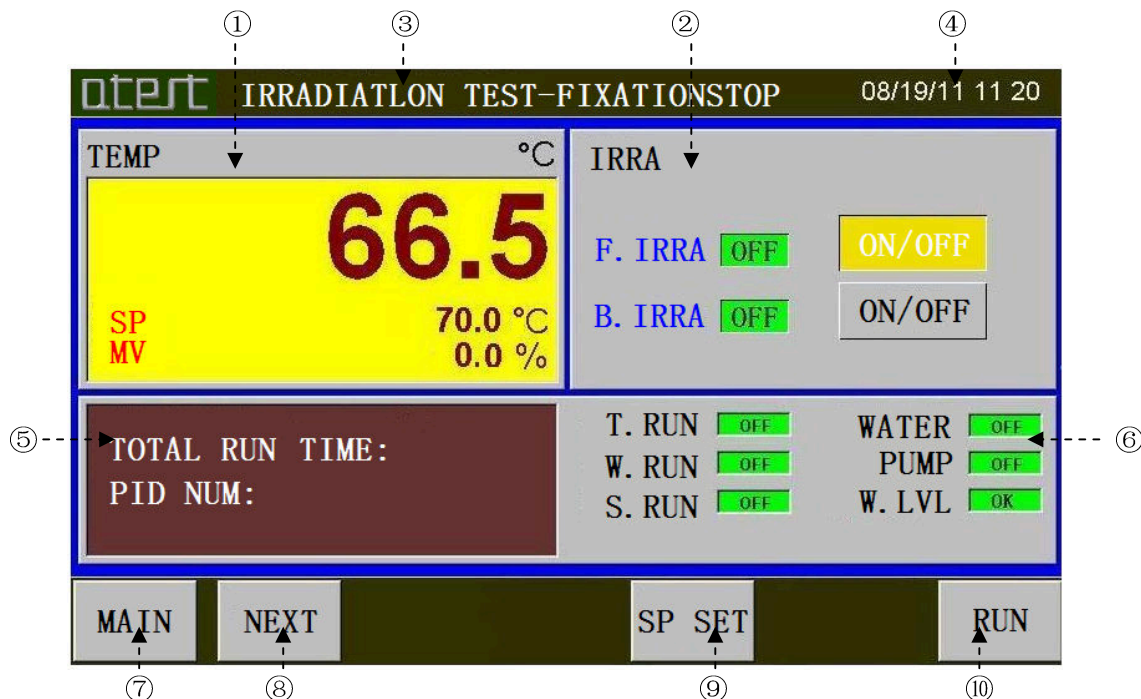
Number	Content	directions	Remark
①	Monitor Display	Switch to the "Monitor Display" screen	Reference 1.5 Monitor display
②	Run Settings	Switch to "Run Setup" screen	Reference 1.6 Run setup screen
③	Setpoint setting	Switch to the "value set" screen	Reference 1.7 Value setting screen
④	Program settings	Switch to the "setup" screen	Reference 1.8 Setup screen
⑤	Document Management	Switch to the "Document Management" screen	Reference 1.9 Document Settings screen
⑥	Other Settings	Switch to the "Other Settings" screen	Reference 1.10 Other Settings screen

1.5 Main menu screen

Monitor display screen shows the instrument's measurement and control information.

1.5.1 Fix Stop screen

Picture1-3 Fix Stop screen

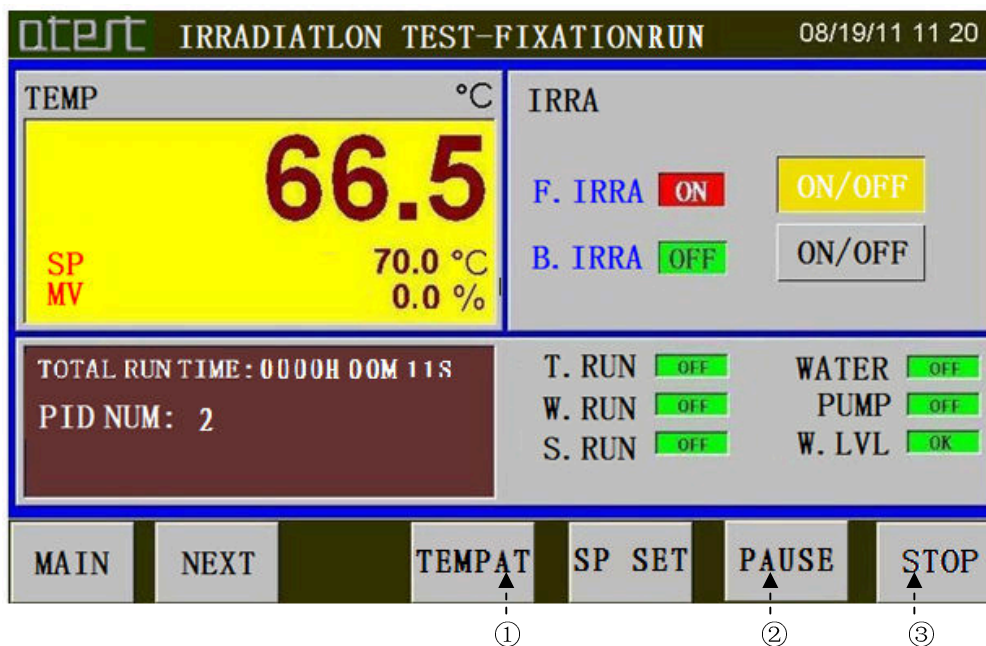


Number	Content	directions	Remark
①	Temperature parameter field	Parameters are described below: First line:current temperature measurements. Second line : temperature setpoint. Third line: control efforts.	Temperature setpoint reference 1.7.1
②	Irradiation parameter field	Parameters are described below: First line: before irradiation lamp status Second line: after irradiation lamp status	ON:lamp open, OFF: lamp close
③	Title Bar	Tip Test Type. Prompted to run mode. Prompted to run the state.	Reference 1.6.1 Run setup screen
④	Date Time column	Display the current date and time	Reference 1.10.2 Other Settings screen b
⑤	Run the Information Bar	Display mode setting or program running related information.	
⑥	Action status bar control information	These status lights prompt action state control signal.	
⑦	Directory	Switch to the "Main Menu" screen.	

	button		
⑧	Next Button	Switch to the "Monitoring curve" screen	Reference 1.5.5 Curve Screen Monitor
⑨	Settings button	Switch to the "value set" screen	Reference 1.7 Value setting screen
⑩	Run button	Start running.	

1.5.2 Fix Run screen

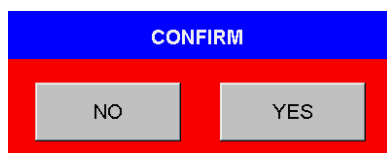
Picture1-4 Fix Run screen



Number	Content	directions	Remark
①	Temperature setting buttons	When selected, start-up temperature automatic calculation function.	Refer to 1.10.2
②	Pause Button	Selected pause meter run.	Paused total running time meter stop, stop all the control outputs.
③	Stop button	Stop running.	



NOTE



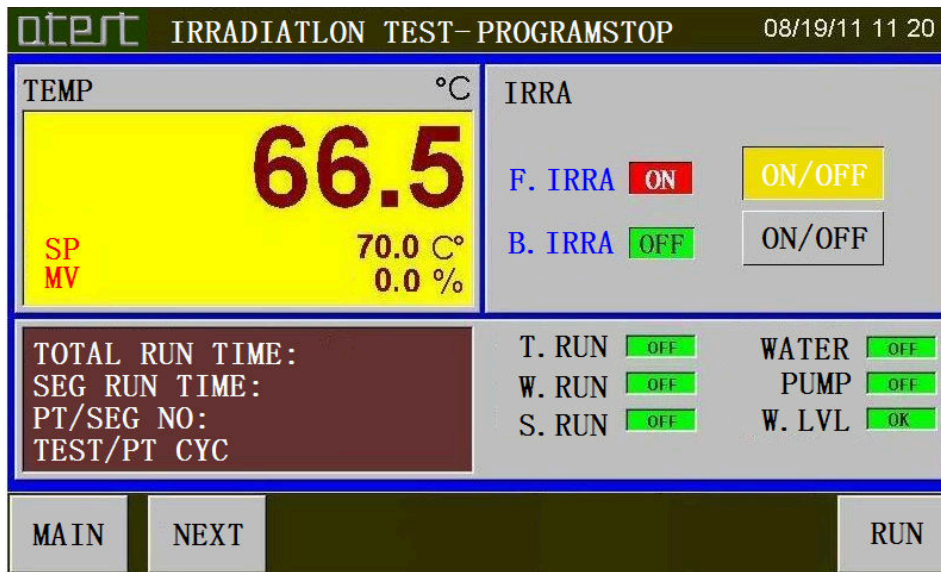
Action confirmation window



A confirmation window is used to perform critical operations before re-confirm whether to execute.

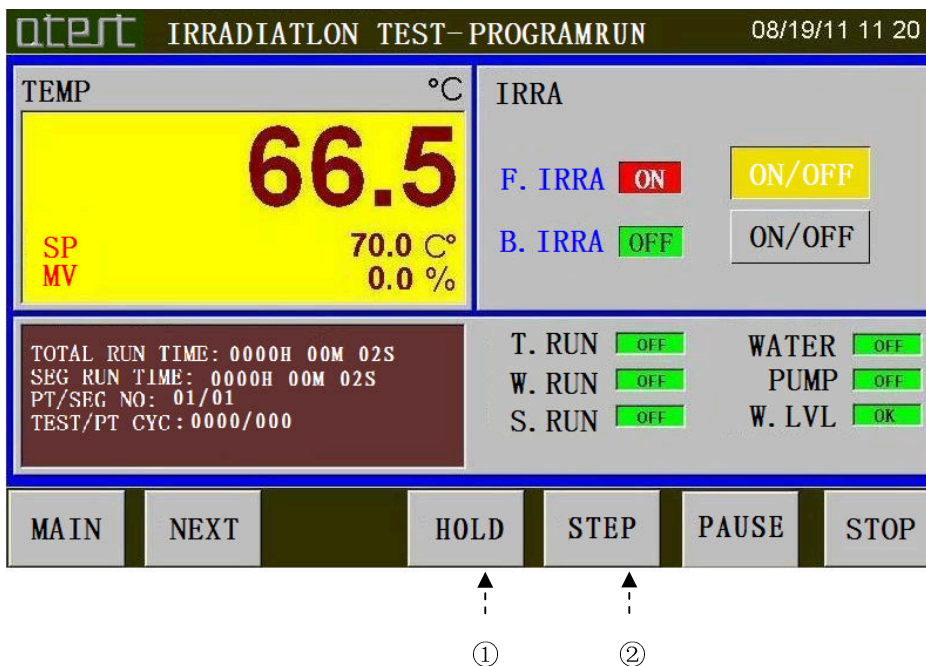
1.5.3 Program Stop Screen

Picture 1-5 Program Stop Screen



1.5.4 Program Operation Screen

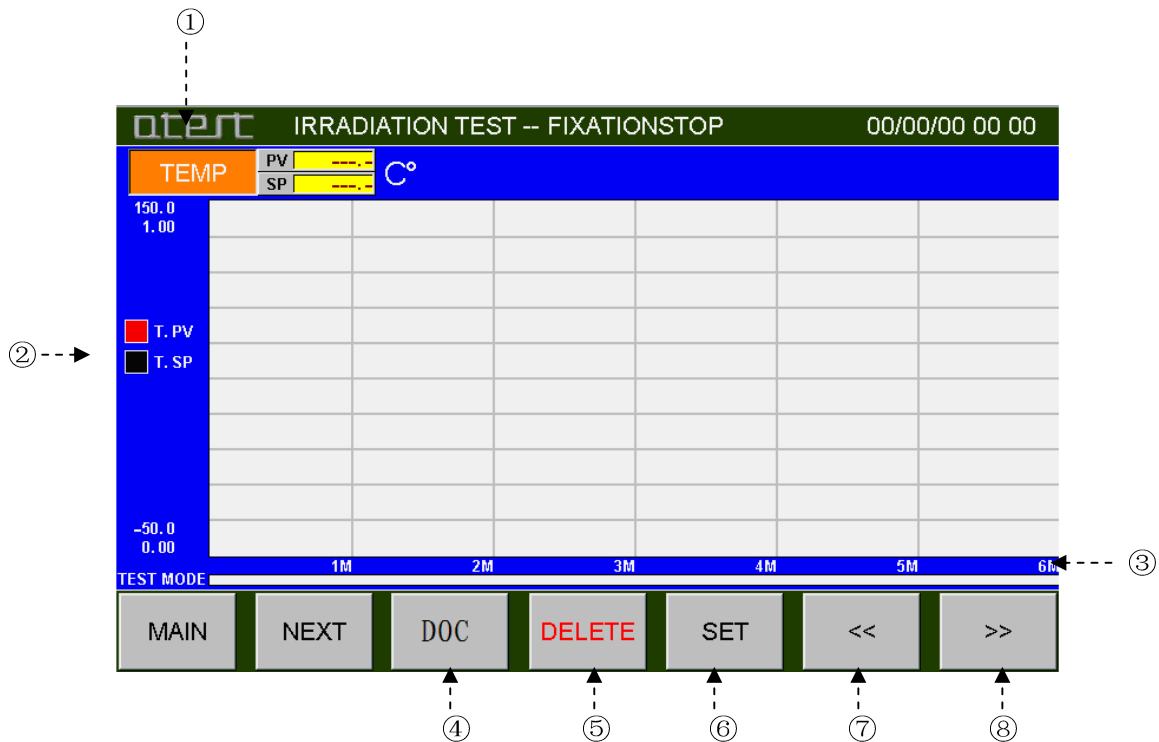
Picture 1-6 Program Operation Screen



Number	Content	directions	Remark
①	Hold button	When selected, maintained at the current operating status.	
②	Hops button	Pressed to jump to the next run, if not the next paragraph, the. Stop running.	

1.5.5 Crive screen monitor

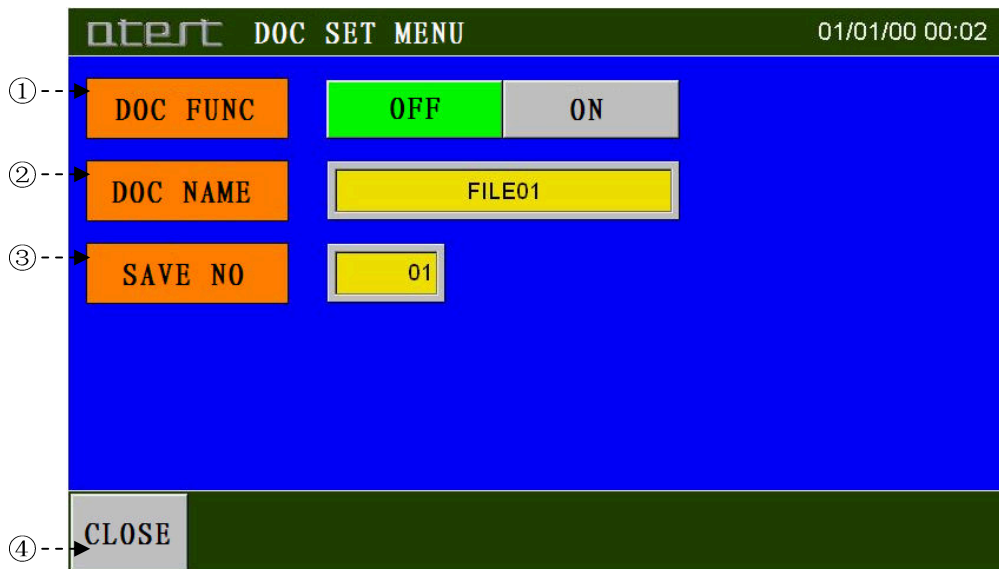
Picture1-7 Crive screen monitor



Number	Content	directions	Remark
①	TEMP	Select to display the temperature measured value and set value curves, not selected will not be displayed.	
②	Color Tips	Tip color curves represent meaning. Red: temperature measurements. Black: temperature setting.	
③	Test Mode	Red: irradiation test mode. Green: Condensate test mode. Orange: Water spray test mode. Orange ribbons are blue green water. Cyan means stop without water.	
④	Document Settings button	Switch to the "Document Settings" screen.	Reference 1.5.6 Document Settings screen
⑤	Delete button	Delete all curve data.	
⑥	Parameter settings	Switch to the "Parameter Settings" screen.	Reference 1.5.7 Parameter setting screen
⑦	Left	Left curve to the curve of the front view.	
⑧	Right	Right curve, to view the rear of the curve.	

1.5.6 Document Settings screen

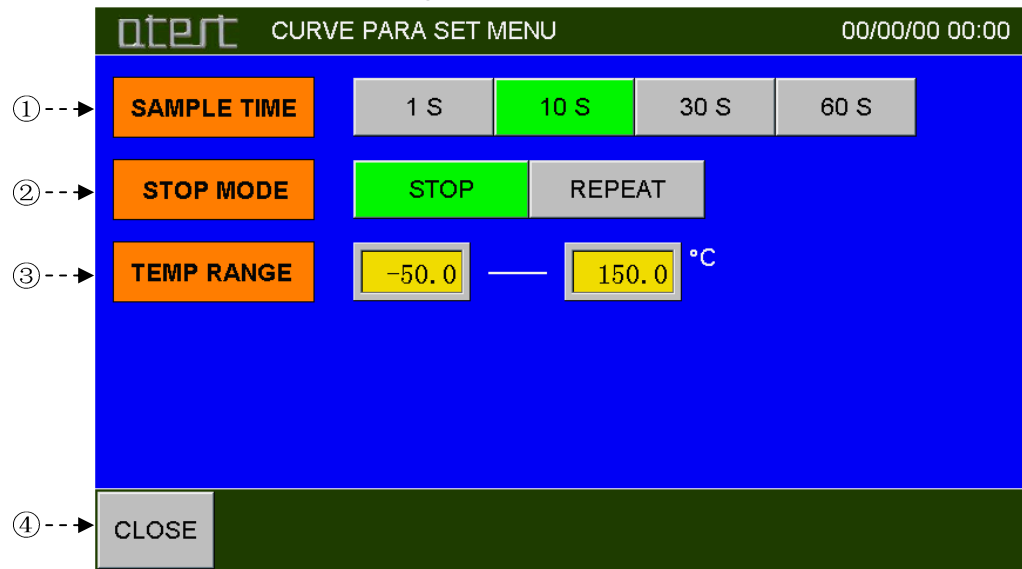
Picture 1-8 Document Settings screen



Number	Content	directions	Remark
①	Documents feature	Disable: Disable documentation capabilities. Enable: Enable the document record.	
②	Document Name	Specify the file name to save the document, the maximum can be set to 10 characters in the file name.	Name input reference 1.2.1
③	Save Number	Instrument supports up to record four documents. By default, the oldest file will be overwritten by the latest file, but you can also save by setting the number to specify where to save the file.	
④	Close button	Close the document setting screen.	

1.5.7 Parameter setting screen

Picture 1-9 Parameter setting screen



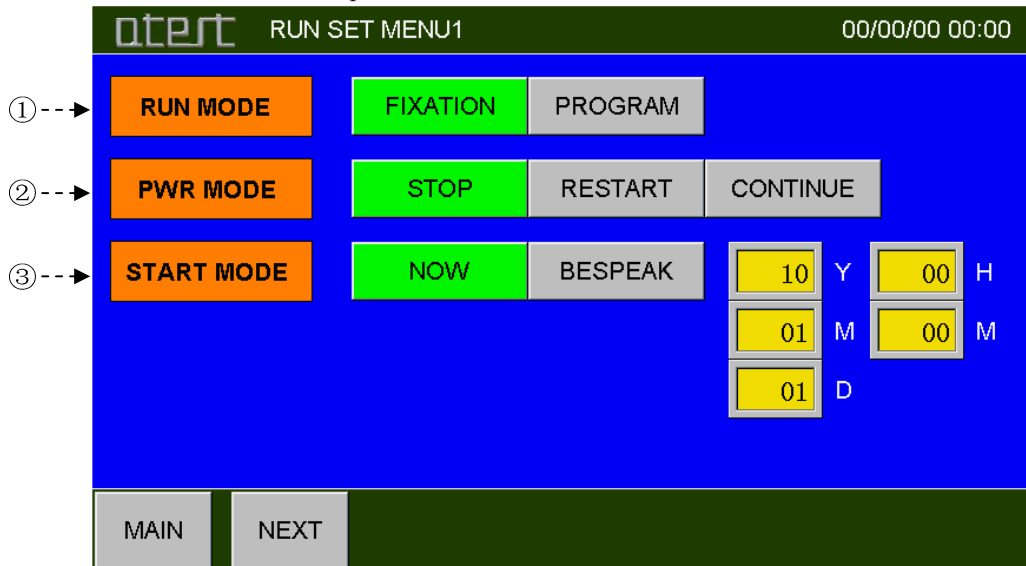
Number	Content	directions	Remark
①	Sampling time	Drawing the curve designated sampling time.	
②	Stop Mode	When sampling data reaches its maximum, if you specify the stop mode, then stop recording sampling data and drawing the curve, if re-designated as the mode, then re-start recording with sampling data and drawing the curve (the old sampling data and drawing the curve will be lost) .	
③	Temperature Range	Y-axis range specified temperature curve.	
④	Close button	Close the parameter setting screen.	

1.6 Run setup screen

Run setup screen is used to set the instrument needed to run a specified number of common parameters.

1.6.1 Run setup screen a

Pictuer 1-10 Run setup screen a



Number	Content	directions	Remark
①	Run Mode	Value: a single test. Program: Mixed tests.	
②	Power Mode	Stop: Stop after power-down re-run. Restart: If the meter is running when power, then back on again after power meter automatically starts running. Continues to run: If the meter is running when power, then back on after power down the instrument from a breakpoint when running.	
③	Startup Mode	Immediately: by the user manually. Appointments: user-specified future time arrives to start.	Appointment of arrival relative to the system time to calculate.

1.6.2 Run setup screen b

Picture 1-11 Run setup screen b



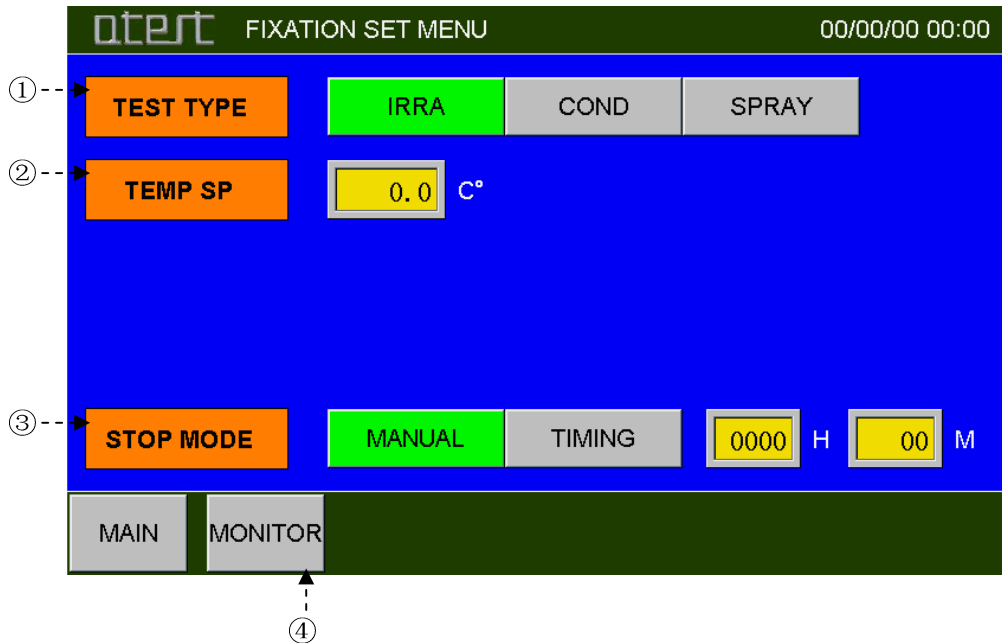
Number	Content	directions	Remark
①	IRRA SET	Manual control mode only. Specify irradiance intensity.	

1.7 Value setting screen

Setpoint value setting screen for setting the operating mode of the test parameters.

1.7.1 Value setting screen a

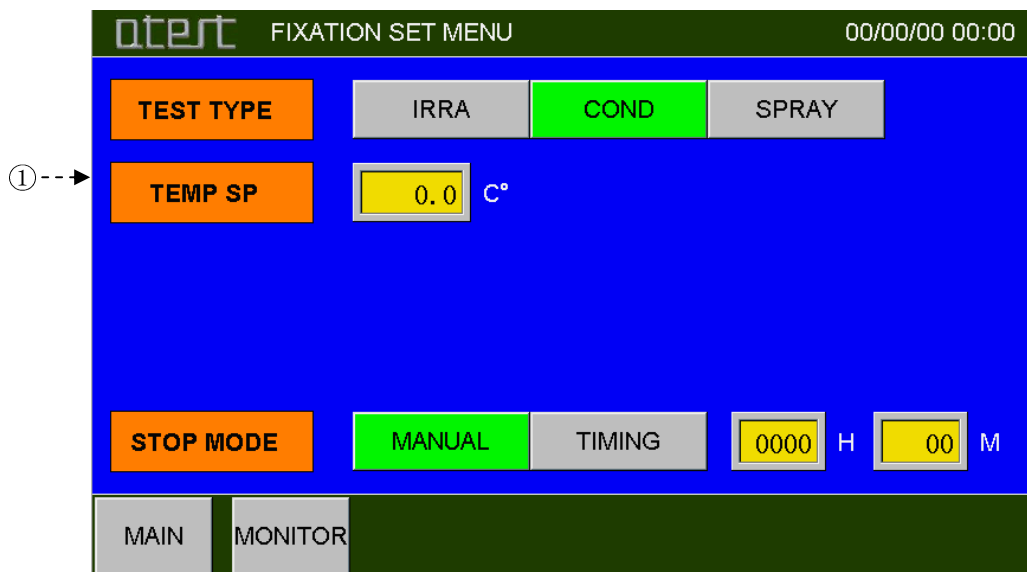
Picture 1-12 Value setting screen a



Number	Content	directions	Remark
①	Type of Test	Specifies the value type of test mode.	
②	Temperature set value	Irradiation the test temperature to set the set value.	
③	Stop Mode	Manual: manually by the user stops running. Timing: After the test time to the meter will automatically stop running.	
④	Monitor Display button	Switch to the monitor screen .	

1.7.2 Value setting screen b

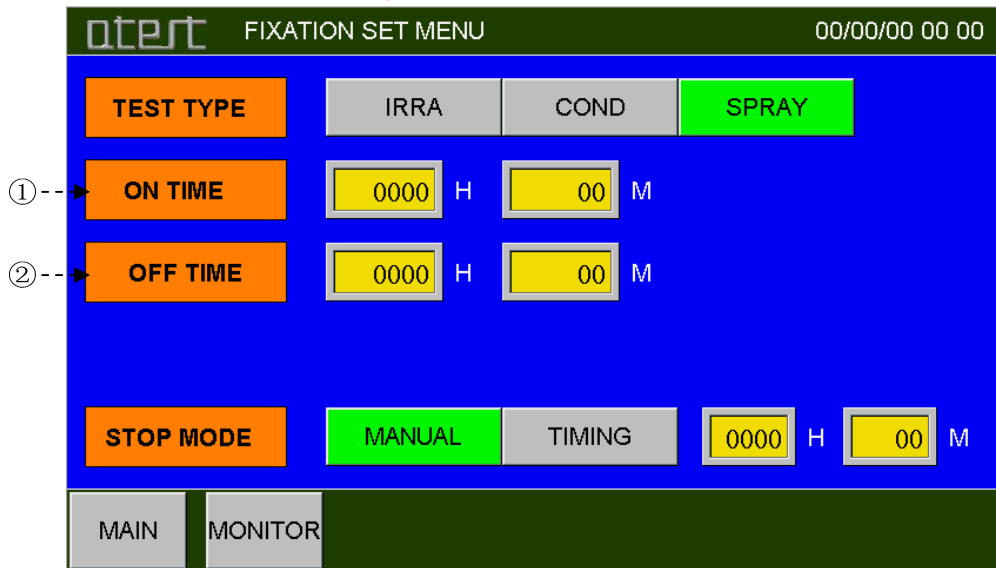
Picture 1-13 Value setting screen b



Number	Content	directions	Remark
①	Temperature set value	Set the test temperature set value condensation.	

1.7.3 Value setting screen c

Picture 1-14 Value setting screen c



Number	Content	directions	Remark
①	On time	Set the sprinkler water spray test time.	Spray time and stop time to form a water spray cycle. Spray time must be set, otherwise unable to spray water.
②	Off time	Set water spray test stop spray time.	

1.8 Setup screen

Setup screen is used to set the operating mode of the test program parameters.

1.8.1 Setup screen a

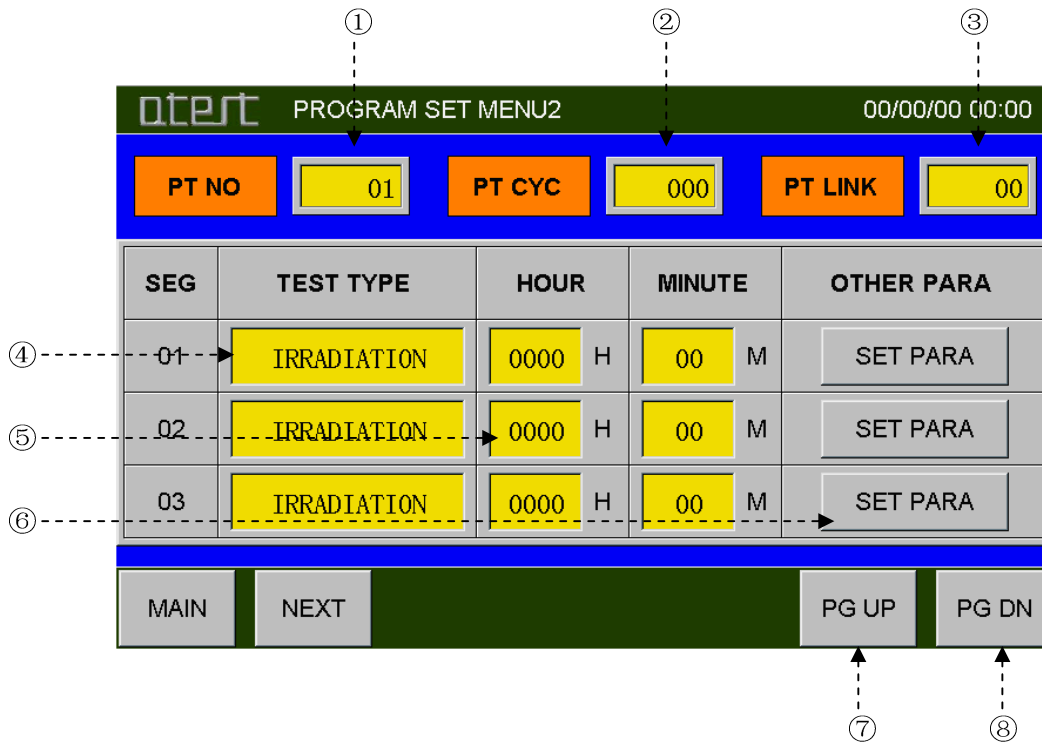
Picture 1-15 Setup screen a



Number	Content	directions	Remark
①	Start the program number	Specify the program number of the program testing begins.	
②	Test cycles	Set the test cycles.	

1.8.2 Setup screen b

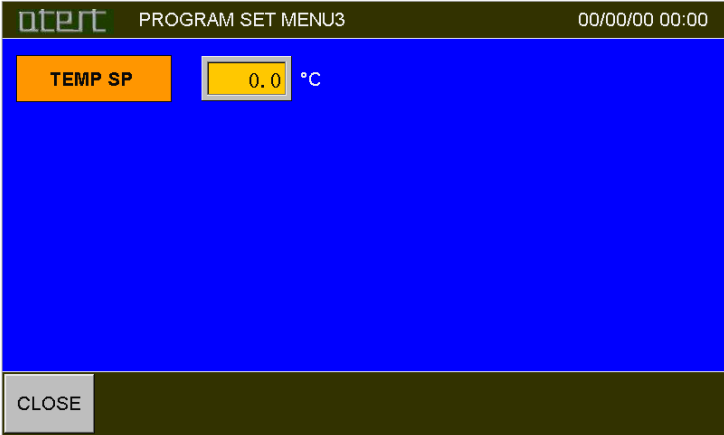
Picture 1-16 Setup screen b



Number	Content	directions	Remark
①	Program Number	Specifies the program number, the other parameters are the number of program parameters.	总共有 30 个程式。
②	Program cycle	Specifies the program number, the other parameters are the number of program parameters.	
③	Program Links	After running the specified program and then run the program number. If it is 0, which means that the program has finished running, stop running.	
④	Type of Test	Specify the type of test that paragraph, for example, irradiation testing, testing or condensate water spray test. If "No Test Type" indicates that the segment is invalid.	
⑤	Test time	Specify the segment run.	
⑥	Set Parameters button	Switch to the parameter setting screen. Specific parameter setting screen associated with the type of test.	
⑦	On a set of buttons	Switch to the previous set of segments.	Each program has a total of 30 segments. Each group of three segments.
⑧	Next set of buttons	Switch to the next set of segments.	

The following is the "set parameters" of the switch to the screen. When the test type is "irradiation test" switch to "Program segment parameter setting screen one." When the test type "condensation test" switch to "Program segment parameter setting screen two." When the test type is "water spray test" switch to "Program segment parameter setting screen three." Program segment parameter setting screen one to three items in the set mode, meaning and value of each type of test parameters corresponding to the same. Please refer to "1.3 value setting screen" for details.

Picture 1-17 Program segment parameter setting screen a



Picture 1-18 Program segment parameter setting screen b



Picture 1-19 Program segment parameter setting screen c

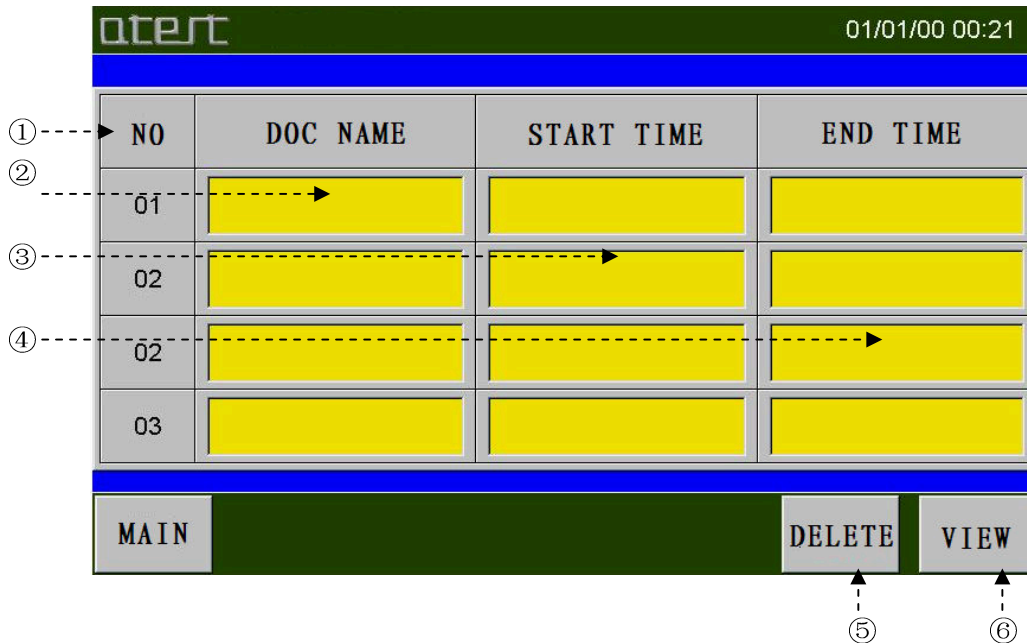


1.9 Document management screen

Document Management screen is used to view and delete saved to the internal disk log files.

1.9.1 Document management screen

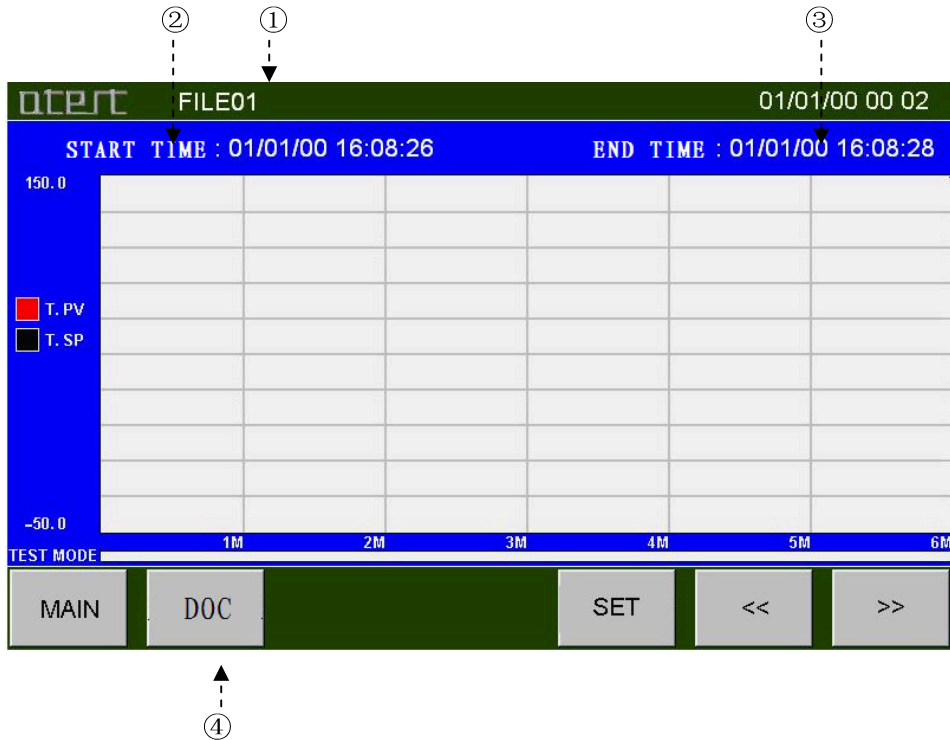
Picture 1-20 Document Settings screen



Number	Content	directions	Remark
①	Number	By selecting numbers to determine the need to delete and view files.	Such as click 01, you can delete or inspect the curve stored in 01
②	File Name	Display the saved log file name	
③	Record the start time	Displaying the log file when the system starts recording time.	
④	Recording end time	Displaying the log file when you finish recording the system time.	
⑤	Delete button	Perform the selected number of file deletion.	
⑥	Look button	Select the number of file to be executed observe operations. Switch to the log file curve screen.	

1.9.2 Curve screen record file

Picture 1-21 Curve screen record file



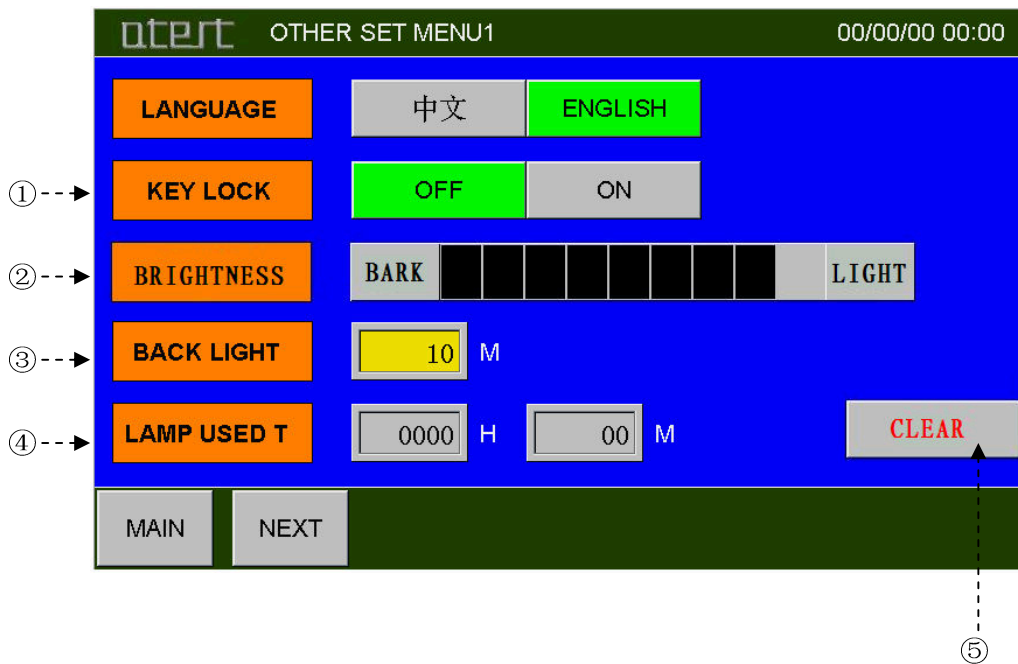
Number	Content	directions	Remark
①	File Name	Displaying the log file name.	
②	Record the start time	Displaying the log file when the system starts recording time.	
③	Recording end time	Displaying the log file when you finish recording the system time.	
④	Document Management button	Switch to the Document Management screen.	

1.10 Other Settings screen

Other Settings screen is used to set other parameters, such as the display language, backlight brightness, system time, and so on.

1.10.1 Other Settings screen a

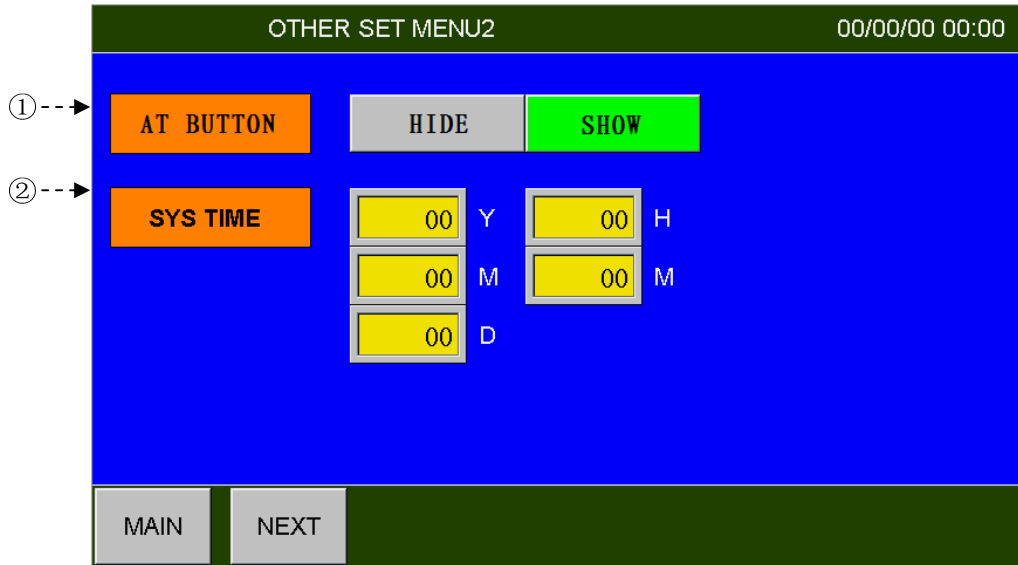
Picture 1-22 Other Settings screen a



Number	Content	directions	Remark
①	Keypad lock	Enable keyboard lock all settings and run operations will be invalid. Can only be viewed switched.	
②	Backlight brightness	Setting the LCD backlight brightness.	
③	Backlight time	Set the screensaver time. For example, 10 points, said the touch-screen operation when the user stops after 10 minutes will enter screensaver mode, to extend the life of the LCD screen.	
④	Irradiation tired	UV lamp energization time accumulated lamp life can be used as reference.	
⑤	Clear button	When replacing the lamp after irradiation through the button to clear when tired.	

1.10.2 Other Settings screen b

Picture 1-23 Other Settings screen b



Number	Content	directions	Remark
①	Tuning button	Hide: No tuning button. Display: Display tuning button.	
②	System Time	Used to set the system date and time.	