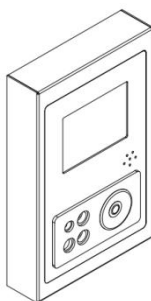




QUICK 492G Series Combo Tester

Instruction Manual



Thank you for purchasing our products. Please keep the instruction manual properly for future reference.

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1.Safety Instructions



CAUTION

- During the installation and use of this product, all electrical safety regulations of the country and regions must be strictly observed.
- If the product does not work properly, please contact the supplier or our company, and do not disassemble or change the product in any way. We are not responsible for any problems caused by unauthorized maintenance or modification.



WARNING

- Don't install the product in a place where the surface is easy to shake or be impacted, as it may damage the product.
- Don't place the product in places where it may be exposed to rain or moisture.
- The product should be used away from places where there is magnetic interference.
- Don't use in flammable and explosive environments.
- Do not hit the sensing part of the sensor.
- When the product is not in use, please turn off the power supply to prolong the service life.

2.Overview

The combo tester can quickly test the grounding situation of workers, whether the wearing of single-wire wrist strap, dual-wire wrist strap, anti-static shoes, foot rings and shoe covers conforms to the standard of static protection ANSI/ESD-S20.20-2021, the measurement range is $100\text{K}\Omega \sim 1\text{G}\Omega$, the test accuracy is not less than 10%. And the LCD display interface of the tester can intuitively and accurately display measure data and results.

3.Product Characteristics

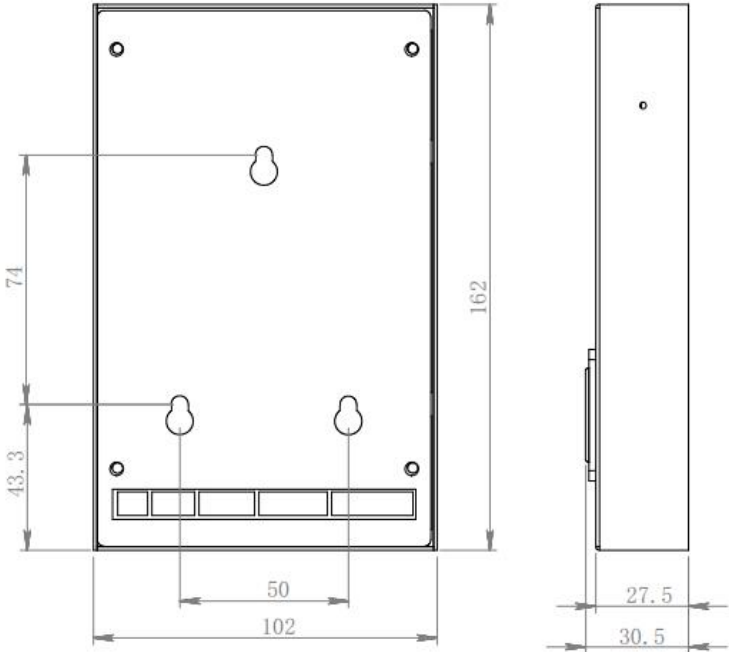
- Comprehensive test mode can test the wearing status of wrist straps and anti-static shoes simultaneously; individual mode can set to test the wearing status of wrist straps, foot rings separately, and you can choose to test single-wire or dual-wire wrist straps.
- Measuring range: $100\text{K}\Omega$ - $1\text{G}\Omega$, range adjustable.
- The access control system controls the signal, controlling the in-and-out personnel to meet the electrostatic protection requirements.
- LCD display, micro current to test, accurate data, intuitive display.
- Stand-alone operation runs the test independently, supports the connection software and the swipe card reader at the same time, and records the test data accurately.
- According to GJB3007-97, SJ/T10694-2006 and ANSI/ESD-S20.20-2021.

4.Product Specifications

Product model	492 GXA	492 GXB	492 GXC	492 GNA	492 GNB	492 GNC
Configuration	With Support column. Large fixed plate.	With Support column. Small fixed plate.	/	With Support column. Large fixed plate	With Support column Small fixed plate	/
Working model	On-line			Stand-alone		
Power supply	AC coupling adapter DC 8-12V					
Contact switch output	Voltage: $\pm 400V$ (Max) (Peak value, DC or AC) Switch current: 100mA (Max) Contact resistance is about 30Ω Qualified and disqualified signal output in different way.					
Accuracy	$\pm 10\%$					
Ambient environment	Indoor use, Humidity 40% -60% RH					
Dimension (L*W*H)	102*162*30.5mm					
Weight	About 8.9kg					

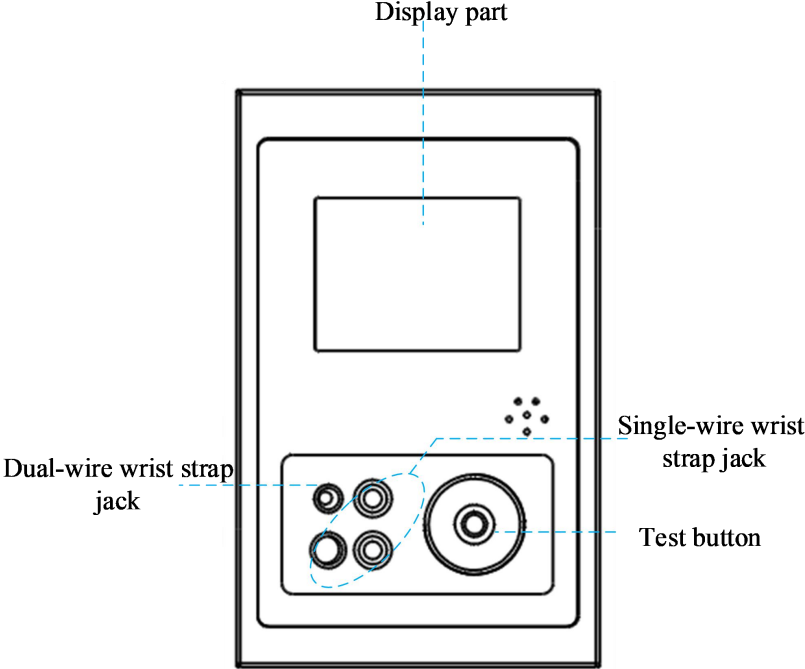
5.Functional Descriptions

5. 1. Dimensions

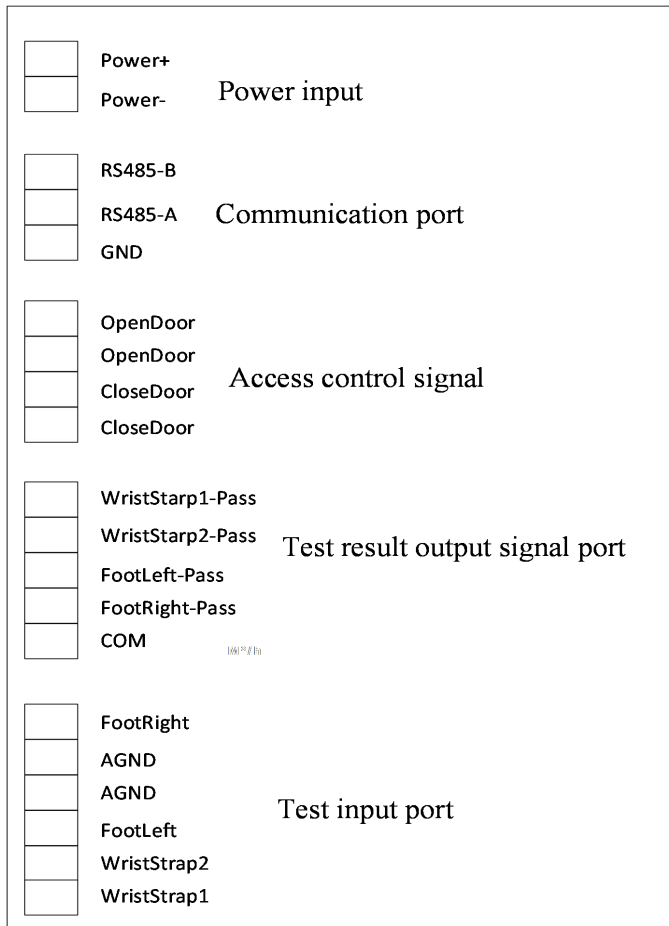


Unit: mm

5. 2. Part Descriptions



6.Connection



Note: GND must be connected to ground. The two AGNDs in the six-core connector are used to connect the anti-static shoes pedal to the shielding end of the tester shielding line, and must not be connected to the GND of the three-core connector.

7.Parameter Settings

Press the tester screen for 3 seconds to enter the setting interface.
As shown in Figure 1:

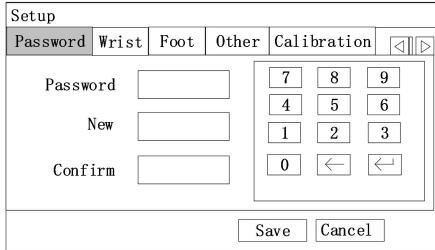


Figure 1

7. 1. Password Settings

On the password page, you can set the parameters. If you do not input the password, you can only view the setting parameters of the tester. The default password is: 00000000. When finishing the input, press Enter on the screen keyboard. (As shown in Figure 2)

Note: If the password is correct, the New (Password) and Confirm (Password) entry boxes on the interface are enabled.

If you do not need to change the password, please leave these two blank. Please remember your password after changing. If forgotten, it can only be changed through the upper computer software.

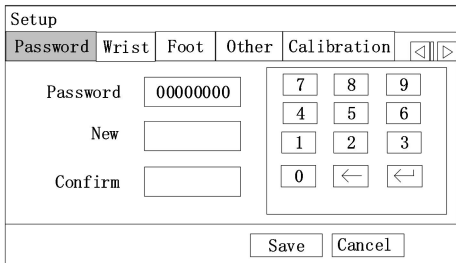


Figure 2

7. 2. Wrist Strap and Anti-static Shoes Settings

1) The wrist page has the options of enabling wrist straps and dual-wire wrist straps, which can be selected as required (as shown in Figure 3). The anti-static shoes page only has the anti-static shoes enabled option, which can also be selected as required.

The screenshot shows a 'Setup' dialog box with the 'Wrist' tab selected. The dialog has a title bar 'Setup' and a tabbed interface with 'Password', 'Wrist', 'Foot', 'Other', and 'Calibration' tabs. The 'Wrist' tab is active. It contains the following elements:

- Checkboxes: EnableWrist, Dual
- Text input fields: LowerLimit (K) with value 750, LowerNear (K) with value 825, UpperNear (K) with value 9000, and UpperLimit (K) with value 10000.
- Numeric keypad: A grid of buttons for digits 0-9 and left arrow keys.
- Buttons: 'Save' and 'Cancel' at the bottom.

Figure 3:

2) Rules for setting the upper and lower limits and the near upper and lower limits of the wrist straps and the anti-static shoes: the upper limit and the lower limit of the wrist straps are 100K ~ 35MΩ, and the upper limit and the lower limit of the anti-static shoes are 100K ~ 1GΩ. The lower limit value \leq the near lower limit value $<$ the near upper limit value \leq the upper limit value. When the near upper or lower limit value is equal to the upper or lower limit value, the test value will not be displayed in yellow, indicating that the resistance value is close to the limit value. As shown in Figure 4:

The screenshot shows a 'Setup' dialog box with the 'Foot' tab selected. The dialog has a title bar 'Setup' and a tabbed interface with 'Password', 'Wrist', 'Foot', 'Other', and 'Calibration' tabs. The 'Foot' tab is active. It contains the following elements:

- Checkbox: Enable Foot
- Text input fields: LowerLimit (K) with value 750, LowerNear (K) with value 825, UpperNear (K) with value 90000, and UpperLimit (K) with value 100000.
- Numeric keypad: A grid of buttons for digits 0-9 and left arrow keys.
- Buttons: 'Save' and 'Cancel' at the bottom.

Figure 4:

7. 3. Other Interface Settings

- 1) Communication address-It can be set at will in stand-alone mode. In online mode, it is necessary to ensure that all online devices don't have duplicate addresses.
- 2) Language selection-Simplified Chinese, Traditional Chinese and English are supported.
- 3) Working mode-support online and stand-alone selection.
- 4) Access control signal-enable to open the door and enable to close the door. When all test items meet the set limit value, the signal will be output.
- 5) Alarm-enable sound. When all test items meet the set limit value, the tone prompts 1 time. When the item exceeds the limit, the tone prompts 3 times. As shown in Figure 5:

Setup						
Password	Wrist	Foot	Other	Calibration	<	>
Address	<input type="checkbox"/>	01	<input type="checkbox"/>	English	<input type="checkbox"/>	
WorkMode	<input checked="" type="radio"/>	OnLine	<input type="radio"/>	StandAlone		
DoorSignal	<input type="checkbox"/>	OpenDoor	<input type="checkbox"/>	CloseDoor		
Alarm	<input type="checkbox"/>	Beep	<input type="checkbox"/>	TouchCal		
				Save	Cancel	

Figure 5

7. 4. Calibration Settings

- 1) Press the touchscreen calibration button to follow the prompts to calibrate the touchscreen. If the cursor position is abnormal, press and hold the screen first, then turn on the power supply of the tester, and then press the reset button in the small hole on the right side of the tester with an insulating stick to initialize calibration of the touchscreen.
- 2) The tester calibration page displays some device calibration values and an instrument calibration button. The tester can be calibrated after the calibration instrument is connected.
- 3) After all the setting options are completed, press the Save button to save the setting parameters. If you press the Cancel button, the previous settings will be restored.
- 4) When setting the interface, if the upper computer sends a command or the test button is pressed or the screen is not touched for 60 seconds, the tester will automatically return to the main test interface. As shown in Figure 6:

Setup					
Password	Wrist	Foot	Other	Calibration	
		ADC0	ADC1	ADC2	ADC3
refer	3102.3	61.4	3117.7	62.0	
CH0	3006.1	56.2	3020.2	58.6	
CH1	3010.8	56.5	3026.5	59.3	
CH2	2998.7	56.9	3038.6	60.3	
CH3	3042.0	57.8	3035.2	60.2	
Calibration					
<input type="button" value="Save"/> <input type="button" value="Cancel"/>					

Figure 6

8. Test Instructions

- 1) Keep good contact between the hand and touch switch during the test.
- 2) Do not do strenuous exercise during the test to avoid static electricity or poor contact, resulting in unstable test data.
- 3) Do not use the tester in an environment with unstable voltage or strong electric field to prevent inaccurate test results.
- 4) Before the test, please check whether the tester is online correctly to prevent inaccurate test results.

9. Stand-alone Test Mode

- 1) After the tester is powered on, it enters the test state, and it displays: Ready.
- 2) Connect the wrist strap to the wrist strap jack of the tester, stand on the testing pedal, and touch the test button on the tester to start the test (The center and outer ring electrodes of the button must be touched at the same time and maintained until the test is completed).
- 3) The status bar of the tester displays: Under Test, and after about 1s the status bar will display: Finished, and the result of the test will be displayed on the screen. If the displayed value is green, it meets the test requirements; if it is yellow, it meets the requirements, but it is close to the limit value; red is over limit. If the displayed value is ---in white, it indicates that the touch switch cannot be stably touched by the hand during the test.
- 4) When the hand leaves the touch switch, the tester status bar will display: Ready.

Note:

Stand-alone mode: The status bar of the tester is displayed as idle in normal times.

10. Calibration

10. 1. Calibration Parameters

Each channel shall be tested with a standard resistance, and all tests shall meet 10% accuracy. If the range is exceeded, the tester shall be calibrated again.

10. 2. Calibration Method

If the calibration is required, please use the calibration equipment provided by our company.

Warranty Card

●The warranty period of this product is calculated from the date of Purchase. During the warranty period, if the product breaks down during normal use, ow the original warranty card and enjoy Free service in the authorized repair company(or our company). Please keep the purchase certificate and this warranty card and show it before maintenance.

●During the warranty period, the following repairs need to be paid:
a.Unable to offer valid warranty card or certificate;
b.The purchase date, sales company and other items are not completely filled or the warranty card is altered;
c.Damage caused by failure to follow the use methods and precautions in the manual;
d.Damage caused by disassembly, repair and modification of products without authorization of the manufacturer;
e.Replacement of vulnerable and consumable parts.

●All items of the warranty card shall be completely filled in by the agent or user to obtain a 12-month warranty period.
●Please keep this warranty card properly It will not be re-offered after.

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FAX: 86-519-86558599
POSTCODE: 213167
WEBSITE: www.quick-global.com

Warranty Card

Type: _____

Model No.: _____

Serial No.: _____

Delivery Date: _____

Warranty File Card

Type: _____

Model No.: _____

Serial No.: _____

Delivery Date: _____

Address : _____

Postcode: _____

Telephone: _____

Contact Person: _____

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