

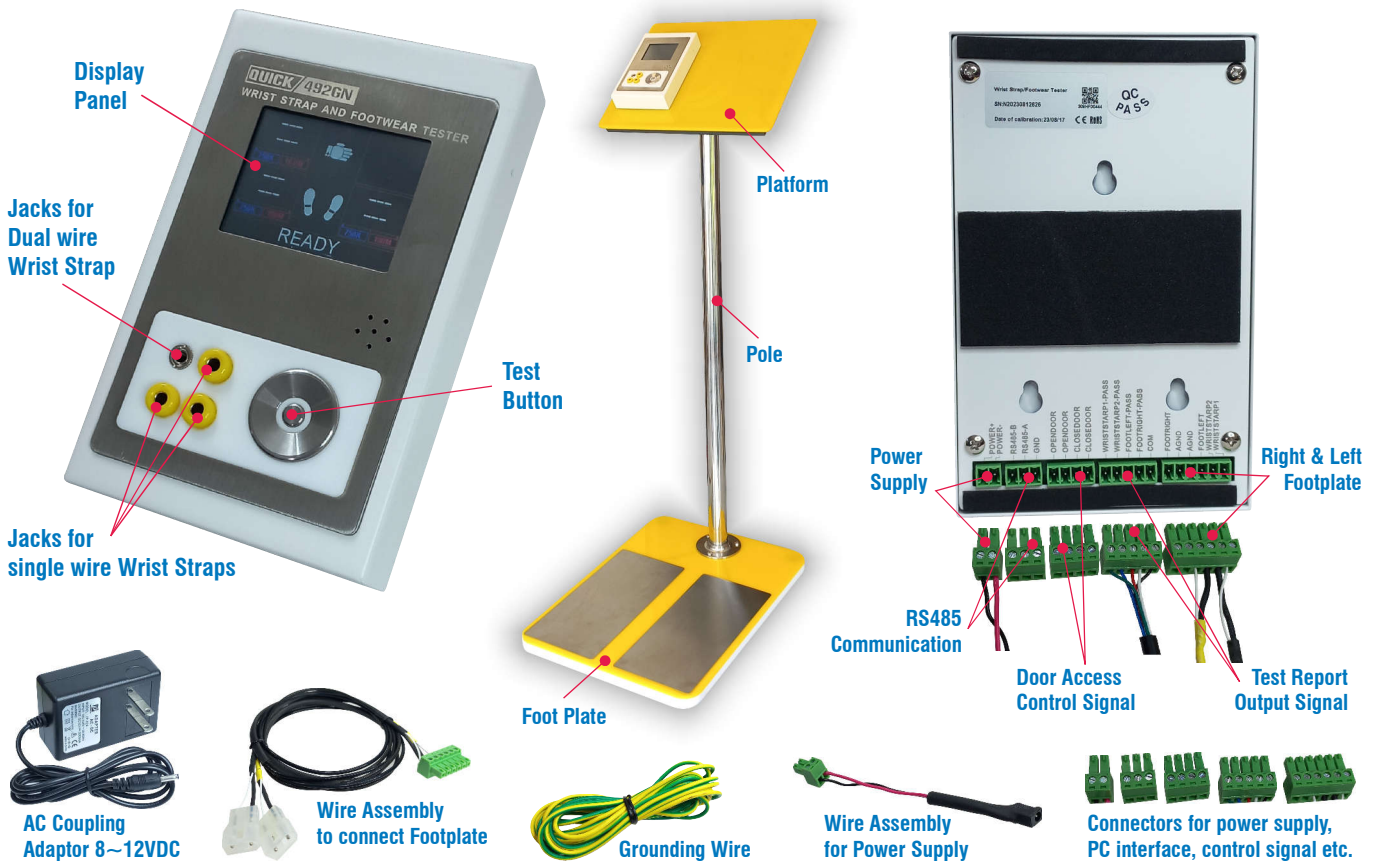


Top-of-the-line Digital Wrist Strap & Footwear Combo Tester 492GNA

INDE
reliable & caring since 1976

Tests ESD wearing status quickly and conveniently • ANSI ESD S20.20 Compliant

This top-of-the-line Combo ESD Tester is according to GJB 3007-97, SJ/T 10694-2006 and ANSI ESD S20.20 standards. It can test ESD wearing status quickly and conveniently of the Wrist Straps and the ESD Footwear (feet loops, conductive footwear and antistatic footwear). Practical measurement range is 100kΩ~1GΩ which is adjustable with accuracy of less than 10%



Features:

- Has 2 Test Modes:
 - Single Test Mode: checks the ESD status of Wrist Strap or Footwear.
 - Comprehensive Test Mode: checks the ESD Status of both Wrist Strap and Footwear.
- Touch screen type LCD Display
- Customer can connect it to Door Control System thru Access System Control Signal from this ESD Tester.
- Wrist Strap & Footwear Combo Tester Model 492GNA uses mini-current testing for stable and accurate results.
- Can be connected to customer's computer by RS485 cable to record data for controlling and checking.

Specifications

Power supply	: AC coupling adaptor (8-12VDC)
Working Mode	: Stand-alone operation runs the test independently
Touch-Point Switching Output	: Voltage ≤ 400V (Max.) peak value, DC or AC Switch Current maximum 100 mA, Touch-Point Resistance is about 30Ω Qualified and disqualified signal output in different ways
Accuracy (Approximate)	: Wrist Strap testing: ± 10% Footwear testing: ± 10%
PC Interface	: via Rs485 Cable
Dimensions (approx)	: 102 mm (L) x 162 mm (W) x 30 mm (H)
Weight (approx)	: 8.9 kg

Warranty is 12 months from the date of invoice. It excludes any mechanically damaged and electrically misused part.

on-site services can be provided at extra charges if pre-paid by customer in advance

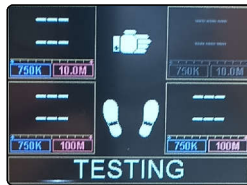
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Various types of Test Results Displays



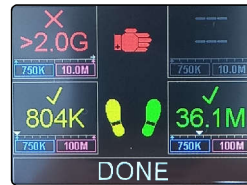
Display after power on shows **READY**



Display during test shows **TESTING**



All ESD wearings wrist strap as well as foot wearing are **OK**



Wrist Strap is over limit, Right foot wearing is **OK** Left foot wearing close to threshold limit



Wrist Strap is **OK** Both foot wearings are over limit



Wrist Strap is over limit Both foot wearings are **OK**



Wrist Strap and right foot wearing is over limit Left foot wearing is **OK**



Wrist Strap and left foot wearing is over limit Right foot wearing is **OK**



All ESD wearing wrist strap as well as foot wearing are over limit



After testing you leave the Test Button display shows **READY** again

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: **TESTING** after about 1 second, the status bar will display: **DONE**, and the results 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 upper or lower threshold limit value
 - If it is **RED**, it means the value is over limit.
 - If the displayed value is --- in white, it indicates that the touch switch is not touched properly during the test.
4. When the hand leaves the touch switch, the Tester status bar will display: **READY**.

Scope of Supply

- Combo Tester Model 492GNA
- AC Coupling Adaptor 8~12 VDC
- Foot Plate
- Platform
- Supporting Pole
- Grounding Wire
- Connecting Wire Assemblies
- Connector for interfacing
- Test Recording Paper with Clips
- Instruction Manual

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.

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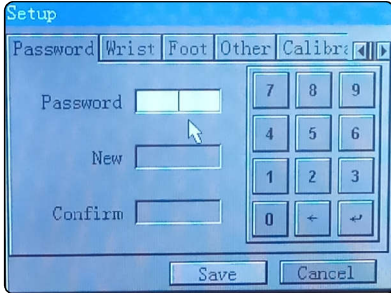
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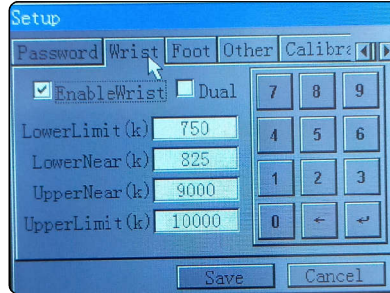


Parameter Settings

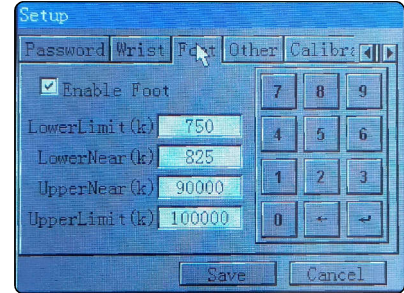
Press the Touch Screen for 3 seconds to enter the parameter setting interface.



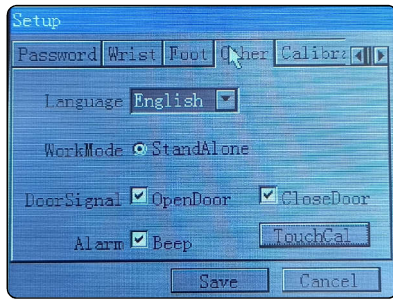
Password Settings
To lock the Tester so that no one can change the set parameters



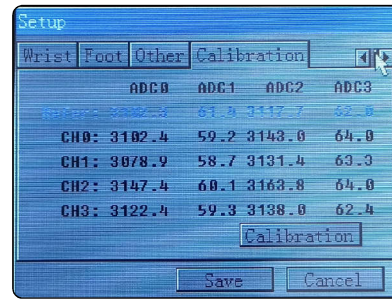
Wrist Strap Settings
To set the limit for lower, upper and threshold values for wrist straps



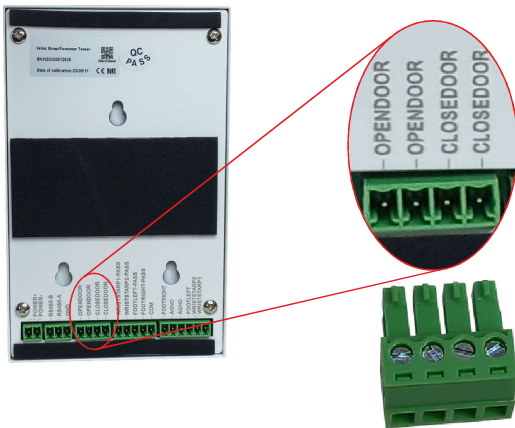
Footwear Strap Settings
To set the limit for lower, upper and threshold values for foot wears



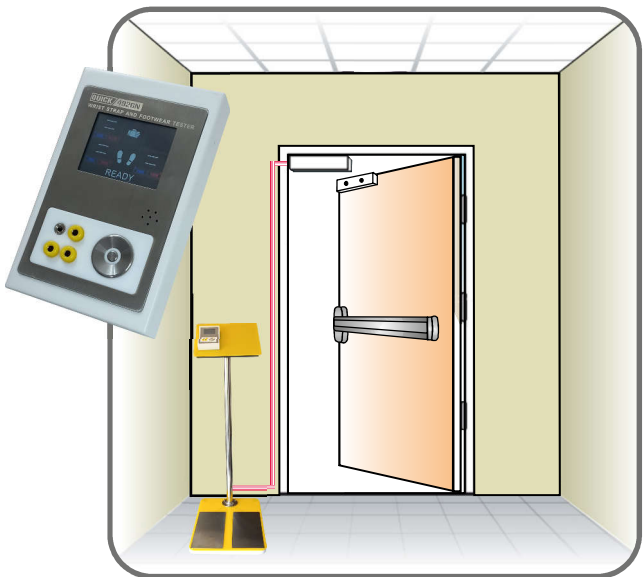
Other Interface Settings
To change the language, select work mode, to enable/disable door signal, beep and to calibrate touch screen



Calibration Settings
To re-calibrate each channel if the values are not within the accuracy of 10%. Only use calibration equipment provided by us



Door Access System Interfacing will have to be done by the customers only



This Combo Tester can be connected to Door Control System thru Access Control System Signal from this Tester. Required connector is provided with this Combo Tester

- ⇒ Interfacing for door access will have to be done by the customers only
- ⇒ Tester will only provides signal to operate the door access mechanism

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