



Specification

Dual Footwear / Wrist Strap Tester

01 Features

- Test system resistance of single/dual wire wrist strap and footwear
- LCD/LED display and alarm
- Testing resistance displayed on LCD screen
- Testing range: 10K-100M
- The symbolization of wrist strap and footwear can make operator easy to recognize the testing to be implemented
- Dual footplate, can individually test two shoes simultaneously
- Touch testing button could be used long time, no worries on the testing button
- Installation could be wall mounted and fixed table installation
- Switching signal can be workable to realize tripod turnstile and electromagnetic lock linking under the situation of testing OK.
- Testing voltage is 28VDC, the maximum current is 0.0025mA, at the time of improving test accuracy and guarantee operator's safety



02 Specifications

Footwear	Dual foot plate design independently tests each foot grounder
Wrist Strap	Single/dual wire wrist strap can be tested
Display	LED and LCD
Power Supply	Input : AC100~240V 50/60Hz
	Output : DC 12V±10%, >2A
Operating Environment	0°C-50°C, RH<80%, Indoor use
Resistance Test Range	10KΩ - 1GΩ
Footwear Test Range Limit	750K - 100M (Factory preset)
Wrist Strap Test Range Limit	750K - 10M (Factory preset)
Accuracy	10KΩ - 100MΩ : 10%
	100MΩ - 1GΩ : 15%
Mode Set Up	Only Footwear/Only Wrist Strap/Wrist Strap and Footwear
Shell Material	Static spray coated iron case

Dimension	124mm x143mm x 43mm (LxWxH)
Meter Weight	0.58Kg
Gross Weight(meter plus footplate)	5.4Kg

03 Safety

- Do not disassemble the product without permission
- Do not use in dangerous environment (such as flammable and explosive environment) •

Do not use in places with plenty of water or oil,high temperature and humidity

04 Industry Standard and System Certificate

- Comply with ISO/CD8782-I Standard
- Comply with the limit request of ANSI/ESD S20.20 on calibration test for wrist strap/human body system resistance and footwear/human body resistance
- Comply with the request of ANSI/ESD S1.1 on auditing test for wrist strap/human body system resistance
- Comply with the request of ANSI/ESD STM 9.1 on auditing test for footwear/human body system resistance
- Comply with the request of ANSI/ESD TR53 on periodic verification method for wrist strap/human body system resistance and footwear/human body system resistance
- Comply with the limit request of IEC 61340-5-1 on periodic verification test for wrist strap/human body system resistance and footwear/human body system resistance
- Comply with limit request of GJB3007A-2009 on periodic verification test for wrist strap/human body system resistance and footwear/human body system resistance

05 Function

1.Meter Front Side

Meter include LCD display screen,wrist strap socket,touch test button and LED lights



a. LCD Display Screen: display the tested system resistance value is ok or not

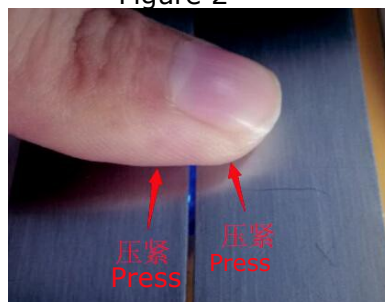
b. Wrist Strap Socket

- 1 single wrist strap socket, 1 dual wire wrist strap socket
- Single wrist strap socket couldn't be used while dual wire wrist strap is working

c. Touch Test Button

Use fingers touch both contact chips, see Figure 2. Meter start to measure resistance, measure time will last 1-2 seconds, fingers can't leave contact chips until test finished

Figure 2



d. LED Light Indication

- According to tested system resistance value, different LED lights will flash and indicate different status
- High Resistance: Yellow LED light
- Pass Resistance: Green LED light
- Low Resistance: Red LED light

e. LED Display Screen

Figure 3



Figure 4



2.DIP Switch

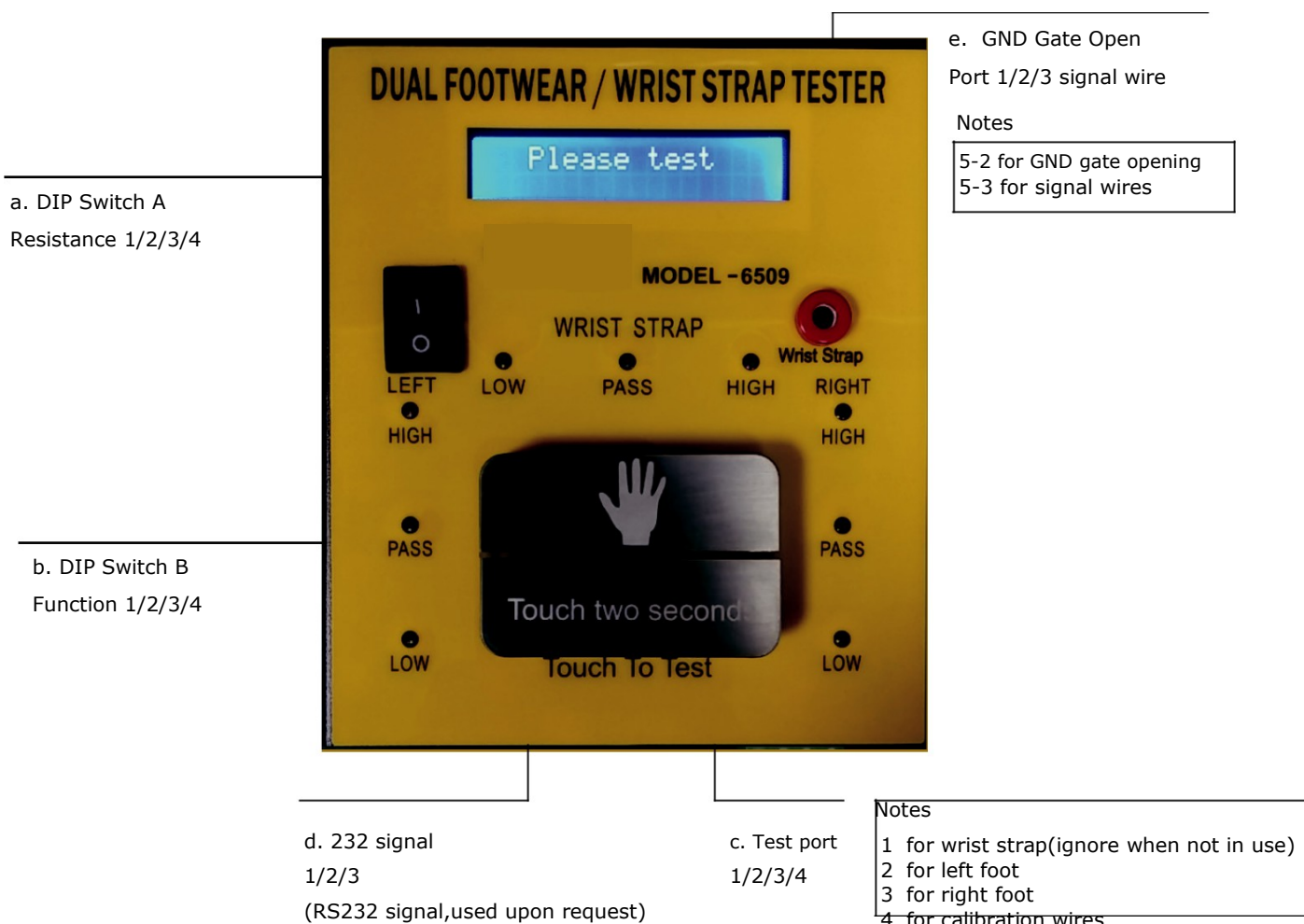
DIP switch can adjust different test range,see below detailed sheet:

A. DIP switch test range adjust method

1	2	3	4	Testing Range Adjust	
OFF	OFF	OFF	OFF	Footwear	750K< R<100M
ON	OFF	OFF	ON	Wrist Strap	750K<R<10M
				Footwear	100K< R<100M
OFF	ON	OFF	ON	Wrist Strap	750K<R<10M
				Footwear	500K< R<100M
OFF	OFF	ON	OFF	Wrist Strap	750K<R<10M
				Footwear	800K< R<100M
OFF	ON	OFF	OFF	Wrist Strap	750K<R<10M
				Footwear	500K< R<35M
OFF	OFF	OFF	ON	Wrist Strap	750K<R<10M
				Footwear	800K< R<35M
OFF	ON	ON	ON	Wrist Strap	750K<R<10M
				Footwear	100K< R<500M
OFF	ON	ON	OFF	Wrist Strap	750K<R<10M
				Footwear	500K< R<500M
OFF	OFF	ON	ON	Wrist Strap	750K<R<10M
				Footwear	800K< R<500M
ON	OFF	OFF	OFF	Wrist Strap	750K<R<10M
				Footwear	750K< R<500M
ON	ON	OFF	OFF	Wrist Strap	750K<R<10M
				Footwear	2K< R<1000M
ON	OFF	ON	OFF	Wrist Strap	750K<R<10M
				Footwear	100K< R<1000M
ON	OFF	ON	ON	Wrist Strap	750K<R<10M
				Footwear	750K< R<1000M
				Wrist Strap	750K<R<10M

B. DIP switch function adjust method

1	2	3	4	Test Function
ON	OFF	OFF	OFF	Able dual wire wrist strap function
OFF	OFF	ON	OFF	Only test left and right foot
OFF	OFF	OFF	ON	Only test wrist strap
OFF	OFF	OFF	OFF	Test both wrist strap ,left and right foot



06 How to use

- Wear wrist strap and shoes, connect wrist strap to corresponding socket, stand up at the stainless steel testing plate
- Touch test button to start measuring, test will automatically stop if there is no result after 5 seconds, release and start test again.
 - Test item and result can be both shown on the LCD screen and LED lights. If test fail, operator should do test again. While test pass, operator can go through under linking the tripod gate.

Note: please press the test button gently, Do Not press hardly

07 Warranty

ESDMAN products have passed strict factory inspection. In case of failure, please contact our ESDMAN team and provide details of the failure

1.Warranty

12 months from the date when product arrived at the buyer's place

2.Repair Range

This product is inspected by ESDMAN QC. When it is in normal use within the warranty period, if it is damaged or fails due to poor design and manufacturing, free maintenance can be provided

3.The following details are not covered by warranty

- Test button,sockets and ground wires belong to the loss part and are not covered by warranty
- Damage, breakage or failure due to abnormal use
- Failure caused by modification or disassemble of maintenance not from ESDMAN
- Failure caused by fire, natural disaster, flood, earthquake and other natural irresistible factors
- Failure caused by abnormal voltage etc external factors

07 > Package Include

Parts Included List			
Meter	1 ea	Power Adapter	1 ea
Footplate	1 ea	Factory Test Report	1 ea
User Manual	1 ea	/	/