

# Specification

Dual Wire Workstation Monitor\_001-8102

Thank you very much for choosing our company's products. Please read this manual carefully before operation.

## 01 Product Picture



## 02 Safety

- Do not disassemble the product without permission.
- Do not use in dangerous environment(such as flammable and explosive)
- Do not use in place with plenty of oil or water under high temperature and humidity.

## 03 Industry Standard and System Certificatet

- Comply with the limit request of ANSI/ESD S20.20 on calibration test for wrist strap/human body system 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 TR53 on periodic verification method for wrist strap/human body resistance
- Comply with the limit request of IEC 61340-5-1 on periodic verification test for wrist strap/human body resistance
- Comply with limit request of GJB3007A-2009 on periodic verification test for wrist strap/human body resistance

## 04 Features

- Real time monitor dual wire wrist strap system resistance.
- Monitor doesn't have close down function, connect to power and grounding wire is normal, insert wrist strap into monitor for testing.
- When an external infrared sensor is connected, the corresponding dual wire wrist strap LED red light will flash and the monitor will alarm if the wrist strap is not inserted and the infrared sensor detects people or objects within 8 sec; When the wrist strap is inserted, the infrared function will temporarily become invalid (it is an optional function).
- When the wrist strap is connected to monitor but put on wrongly, the corresponding LED red light will flash and comes with audible alarm.
- Take the wrist strap away and monitor will be in standby mode, the infrared sensor function will become normal at the same time.
- When wrist strap is in open circuit or in poor contact, the corresponding LED red light will light up and comes with audible alarm.
- Independent remote box is convenient for installation and operation
- Monitor 4 dual wire wrist straps, 2 ESD table mats and 2 metal grounds.
- Wrist strap alarm lower limit: 1.1/1.5M, upper limit: 10M/35M (factory preset:  $1.1M < R < 35M$ , tolerance  $\pm 10\%$ )
- ESD table mat alarm limit: 6.5M (factory preset, tolerance  $\pm 10\%$ ), metal ground alarm limit:  $10\Omega$  (factory preset, tolerance  $\pm 2\Omega$ )
- When wrist strap test limit exceeds upper or lower limit, different LED red light will light up and comes with audible alarm.
- When ESD table mat test limit fails, an LED red light will light up and comes with audible alarm
- When metal ground test fails, an LED red light will light up and comes with audible alarm.
- Handsome appearance and strong anti-interference ability

## 05 Specification

Wrist strap test	4 dual wire wrist straps
ESD table mat test	2 ESD table mats
Metal ground test	2 metal grounds
External sensor	2 (optional)
Alarm indication	LED indication (green: OK red: alarm) Buzzer alarm
Power supply	AC100~240V 50/60Hz; DC 12V; 200mA
Monitor size	156.5×65.5×29 mm (L×W×H)
Operation environment	0°C~60°C, indoor use

## 06 > DIP switch range setting

(factory default:wrist strap 1.1M-35M,metal ground:10Ω,ESD table mat :6.5M)

OFF ON OFF ON ON

Test Item	Resistance	DIP Switch				
		1	2	3	4	5
Wrist Strap Test Range	1.1M-10M	OFF	OFF			
Wrist Strap Test Range	1.1M-35M	OFF	NO			
Wrist Strap Test Range	1.5M-10M	NO	NO			
Wrist Strap Test Range	1.5M-35M	NO	OFF			
Metal Ground	5Ω			NO	OFF	
Metal Ground	10Ω			OFF	NO	
Metal Ground	15Ω			NO	NO	
Table Mat	3.5M					OFF
Table Mat	6.5M					NO

## 07 > Installation

- Open the package box and find out the screws to install monitor at any convenient place of the workbench.
- Connect monitor ground wire to factory ground(monitor ground wire and table mat/metal ground connection cord shares a 5 pin port)
- Connect table mat cord to workbench,table mat LED green light will flash;Please check table mat is in good contact or not when LED red light on and sound an alarm and also check whether the monitor is grounded or not(grounding is important)
- Connect metal ground cable to monitoring device,metal ground LED green light flash,please check metal ground is grounded or not when LED red light on and sound an alarm and also check whether the monitoring device is grounded or not(grounding is important)
- Connect the remote boxes to monitor,when monitor didn't connect the remote boxes,wrist strap LED red light on and sound an alarm,when monitor connect the remote boxes correctly,the wrist strap monitoring is in standby mode.
- Connect dual wire wrist strap into the wrist strap socket of the remote box,the corresponding wrist strap LED green light will flash when put on dual wire wrist strap correctly,please check the contact between wrist strap and monitor is in good contact or not when wrist strap LED red light on and sound an alarm.
- Monitor 4 dual wire wrist straps +2 ESD table mats + 2 metal grounds simultaneously.
- The network version supports RS485 wired or wireless transparent communication(it is optional function,extra cost is needed)

## 08 > Warranty

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

### Warranty

- 12 months from the date when products arrived at the buyer's place.

### Coverage

- 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 could be provided.

### Out of coverage

- Connection 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

## 09 > Package Include

### Part Included List

Monitor	1 ea	Power adapter	1 ea
Remote box	4 ea	Remote box connection wires	4 ea
User Manual	1 ea	Screws	6 ea
Test Report	1 ea	5 pin port connection wires	5 ea