

AIJGO-12.0 WRIST STRAP MONITOR

INSTRUCTION MANUAL



The AIJGO 12.0 wrist strap monitor is designed to monitor the operation of a wrist grounding system for a single operator.

TECHNICAL PARAMETERS

Accuracy	±10%
Test voltage	6 V DC open circuit
Test current	<1 microamper
Size	67 x 60 x 29 mm
Weight	50 g
Environmental operating conditions	
Temperature	20 °C – 30 °C
Humidity	max. 70%
Stainless steel 2-in-1 plug with 10 mm male stud and 4 mm banana plug socket for wrist strap connection	
1 LED that indicates the correct (GREEN light signal) or incorrect (RED light signal) wrist strap system resistance	
Built-in speaker for sound feedback	
Wrist strap system resistance control limit	<5 MΩ

Included

- Wrist strap monitor
- Power adapter
Output voltage: 6,0 V DC
Output current: max. 500 mA
- 1 meter long cable with cable lug endings (maximum current: 1 A)
- 2 pcs 35 mm long screw for fixing the wrist strap monitor
- Instruction manual



CE declaration

We declare that the AIJGO-12.0 product complies with the requirements of IEC 61340-5-1, ANSI/ESD S20.20 and Directive 2001/95/EC (General product safety).

Installation

1. The AIJGO-12.0 wrist strap monitor can be mounted under a workbench by securing with two screws (supplied) through the mounting hole tabs.
2. Position the monitor so that it is convenient for the operator to plug his/her wrist strap ground cord into the stainless steel 2-in-1 plug on the front of the monitor.
3. It is recommended that the front face of the monitor be flush or slightly recessed from the front edge of the workbench.
4. Fix the monitor to the workbench with the screws.
5. It may be necessary to pre-drill pilot holes for the screws.
6. Connect the grounding cable to the grounding point of the monitor.
7. Connect the other end of the grounding cable to a suitable grounding point.
8. Connect the power adapter to the monitor.
9. Plug the power adapter into the mains socket.

Operation

1. Attach a wrist strap grounding cord to a wristband.
2. Place the wristband on your wrist and plug the cord into the stainless steel 2-in-1 plug on the front of the monitor.
3. Turn on the monitor with switching the on/off button to the "On" position.
4. If the LED flashes with RED color with an intermittent audible alarm anytime during use, that signs that the resistance of the wrist strap system is greater than permitted limit.
5. In the case of a continuous green LED signal the resistance of the wrist strap system is correct.

Note: Operators may complain that the alarm gives sound too often until they learn to adjust the wristband to fit securely and/or apply an approved skin moisturizer on a frequent basis to have proper connection.

Remember that the monitor informs you that the wrist strap system of the operator is exceeding the established static control requirement for resistance to ground when wearing a static protective wrist strap assembly. These alarms can alert the operator about situations when sensitive electronics are possibly being exposed to static electricity, harmful discharge. Prior to incorporating the wrist strap monitor into your static control system, the operator could be unaware of these situations.

Safety information

Warning: To reduce the risks associated with medical device malfunction which could result in serious injury or death:

- Persons with active implanted medical devices (such as heart pacemaker devices) should never use this wrist strap monitor.

Notice: To prevent damage to the AIJGO-12.0 wrist strap monitor:

- Users should not attempt to repair this device.
- Do not use it in wet or humid environments.

To reduce the risk of damage to components or assemblies being handled:

- Always properly ground your tools and dissipative surfaces to known good ground before connecting the AIJGO-12.0 wrist strap monitor for monitoring. If you are unsure of suitable ground, contact a licensed electrician before installation.
- Always ensure operator grounding during use of monitor.





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