



# AIJGO ESD TESTERS

## ENTRANCE SYSTEMS WITH ESD TESTERS

### DEVICES AND ACCESSORIES



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# AIJGO

## ESD TESTERS

### ENTRANCE SYSTEMS WITH ESD TESTERS

It is possible to test personal grounding with our AIJGO testers. They can be used for checking personal grounding before entering an ESD protected area (EPA), with simultaneous testing of footwear system and wrist strap/groundable ESD smock system. **The AIJGO-22LCD and AIJGO-34 testers can be stand, wall, entrance gate or table mounted.** They are supplied with mounting plate, universal holder and you can buy stand for them. **The AIJGO-22/COMP and AIJGO-34/COMP products are available built-in in an entrance gate with turnstile,** for which you can buy barrier as well. In the case of AIJGO-34 and AIJGO-34/COMP it is possible to identify entering persons using an RFID reader, to automatically record data, and to access the recorded information by computer.



## LIGHT BAR SYSTEM



AIJGO-22LCD, AIJGO-34, AIJGO-22/COMP AND AIJGO-34/COMP

Products with a steel touch button, the measured results are indicated by LED lights.



## COMFORT SYSTEM



AIJGO-34 AND AIJGO-34/COMP

These AIJGO devices have touch button and RFID reader, and an RFID card is required for their use, which contains the type of test to be used. The RFID reader installed by us is a multifunctional unit that can handle cards that comply with most known RFID standards.



## COMPLEX SYSTEM



AIJGO-22/COMP AND AIJGO-34/COMP

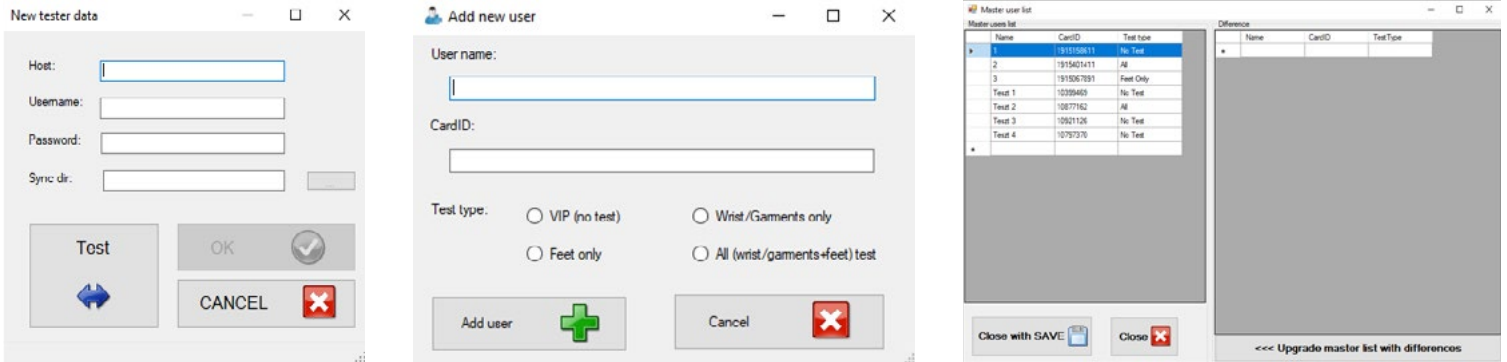


In the case of these products, the testers are delivered built-in in an entrance gate with turnstile.

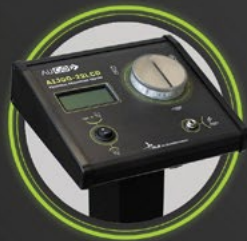


## PIEMANAGER MANAGEMENT SOFTWARE

With its help, the AIJGO-34 and AIJGO-34/COMP testers can be configured via a LAN network, the measured results and recorded data can be retrieved with the help of the program.



## SEE THE SUMMARY TABLE BELOW



NAME	AIJGO-22LCD	AIJGO-34	AIJGO-22/COMP	AIJGO-34/COMP
PC	-	✓	-	✓
OPERATING SOFTWARE	-	LINUX	-	LINUX
MANAGEMENT SOFTWARE	-	AVAILABLE FOR PURCHASE	-	AVAILABLE FOR PURCHASE
RFID READER	-	✓	-	✓
LCD DISPLAY	✓	✓	-	✓
TOUCHLESS MODE	-	CAN BE SET, BUT AN RFID CARD IS STILL REQUIRED	-	CAN BE SET, BUT AN RFID CARD IS STILL REQUIRED
TEST TYPE SELECTION	MANUAL	WITH SOFTWARE	MANUAL	WITH SOFTWARE
STAND	AVAILABLE FOR PURCHASE	AVAILABLE FOR PURCHASE	-	-
MOUNTING PLATE & UNIVERSAL HOLDER	SUPPLIED WITH THE PRODUCT	SUPPLIED WITH THE PRODUCT	-	-
BARRIER	-	-	AVAILABLE FOR PURCHASE	AVAILABLE FOR PURCHASE

# AIJGO-22LCD PERSONAL GROUNDING TESTER



WITH LCD DISPLAY AND DUAL FOOT ELECTRODE

## MAIN PROPERTIES

- Tester for checking personal grounding before entering an ESD protected area (EPA)
- Testing footwear system and wrist strap/groundable ESD smock system at the same time
- Can be used to test a groundable ESD smock system
- Test result indication on LCD display, with LED light and sound
- Selectable test modes: Footwear system test only, or footwear system and wrist strap/groundable ESD smock system combined test
- For indoor use only
- **We declare that the AIJGO-22LCD product complies with the requirements of IEC 61340-5-1, ANSI/ESD S20.20 and Directive 2001/95/EC (General product safety).**



## PARAMETERS

### Resistance values indicated as acceptable by the tester

Default setting when measuring footwear system	100 K $\Omega$ – 100 M $\Omega$ <i>An upper value of 35 M<math>\Omega</math> can be set using the red switch at the bottom of the tester. However, after setting a different limit from the one used previously, the device must be restarted for the change to take effect.</i>
Default setting when measuring wrist strap/groundable ESD smock system	750 K $\Omega$ – 35 M $\Omega$

Test voltage	100 V DC
Wrist strap/groundable ESD smock system connection	With a combined 10 mm snap, 4 mm banana plug socket
Power supply	12 V DC
Relay outputs	0,5 A/60 V <i>Pass relay (Normally Open) with green wire</i> <i>Fail relay (Normally Open) with red wire</i>
Sizes	215 x 195 x 55 mm (tester) 500 x 630 x 970 mm (tester+stand with dual foot electrode, assembled), the touch button emerges from it beyond this, the tester extends 14 cm backwards beyond the platform. The size of the platform itself (in case of a tester version with stand): 500 x 490 x 20 mm. Tilt angle of the stand: 5 degrees



ORDER CODE	DESCRIPTION
AIJGO-22LCD	Personal grounding tester with LCD display, dual foot electrode, mounting plate and universal holder
AIJGO-STA	Stand for AIJGO tester

# AIJGO-22/COMP PERSONAL GROUNDING TESTER



WITH PLATFORM, DOUBLE DUAL FOOT ELECTRODE AND ENTRANCE GATE WITH TURNSTILE

## MAIN PROPERTIES

- Tester for checking personal grounding before entering an ESD protected area (EPA)
- Testing footwear system and wrist strap/groundable ESD smock system at the same time
- Can be used to test a groundable ESD smock system
- Test result indication with LED light and sound
- Selectable test modes: Footwear system test only, or footwear system and wrist strap/groundable ESD smock system combined test
- For indoor use only
- **We declare that the AIJGO-22/COMP product complies with the requirements of IEC 61340-5-1, ANSI/ESD S20.20 and Directive 2001/95/EC (General product safety).**



## PARAMETERS

### Resistance values indicated as acceptable by the tester

Default setting when measuring footwear system	100 K $\Omega$ – 100 M $\Omega$ <i>An upper value of 35 M<math>\Omega</math> can also be set by removing the short-circuiting of the TH2 pair of the tester. To do this, remove the short circuit (jumper) from the two points of the TH2 pin pair of the tester, or leave it on only one pin.</i>
Default setting when measuring wrist strap/groundable ESD smock system	750 K $\Omega$ – 35 M $\Omega$



Test voltage	100 V DC
Wrist strap/groundable ESD smock system connection	With a combined 10 mm snap, 4 mm banana plug socket
Power supply	230 V AC
Sizes	1000 x 950 x 1049,5 mm with platform and touch button

ORDER CODE	DESCRIPTION
AIJGO-22/COMP	Personal grounding tester with platform, double dual foot electrode and entrance gate with turnstile
AIJGO-BAR1	Barrier for AIJGO-22/COMP or AIJGO-34/COMP tester
AIJGO-OLED	Optional gate opening touch button outwards



# AIJGO-34 PERSONAL GROUNDING TESTER



WITH DUAL FOOT ELECTRODE, RFID READER, LCD DISPLAY AND OPERATING SOFTWARE

## MAIN PROPERTIES

- Tester for checking personal grounding before entering an ESD protected area (EPA)
- Testing footwear system and wrist strap/groundable ESD smock system at the same time
- Can be used to test a groundable ESD smock system
- Test result indication on LCD display, with LED light and sound
- The measured results are stored on an internal SD card
- It is also possible to configure it so that a test can be carried out without touching the touch button, but an RFID card is required in this case too
- It saves the entry data as .csv files
- With an RFID reader that can handle cards that comply with most known RFID standards
- For indoor use only
- **We declare that the AIJGO-34 product complies with the requirements of IEC 61340-5-1, ANSI/ESD S20.20 and Directive 2001/95/EC (General product safety).**



## PARAMETERS

Resistance values indicated as acceptable by the tester	
Default setting when measuring footwear system	100 KΩ – 100 MΩ <i>You can also set an upper value of 35 MΩ, see the PieManager management software description.</i>
Default setting when measuring wrist strap/groundable ESD smock system	750 KΩ – 35 MΩ
Operating system	Linux Raspbian (The tester can be configured via LAN network using RJ45 cable)
Test voltage	100 V DC
Wrist strap/groundable ESD smock system connection	With a combined 10 mm snap, 4 mm banana plug socket
Power supply	12 V DC
Relay outputs	0,5 A/60 V <i>Pass relay (Normally Open) with green wire</i> <i>Fail relay (Normally Open) with red wire</i>
Sizes	300 x 195 x 55 mm (tester) 500 x 630 x 970 mm (tester+stand with dual foot electrode, assembled) 500 x 490 x 20 mm (the size of the platform itself, in case of a tester version with stand) Tilt angle of the stand: 5 degrees



ORDER CODE	DESCRIPTION
AIJGO-34	Personal grounding tester with dual foot electrode, RFID reader, operating software, mounting plate and universal holder
AIJGO-STA	Stand for AIJGO tester
AIJGO-34/MSW	PieManager management software for AIJGO-34 and AIJGO-34/COMP (if buying more than one tester, it is sufficient and recommended to buy one if they will be networked together)



# AIJGO-34/COMP PERSONAL GROUNDING TESTER

WITH PLATFORM, DOUBLE DUAL FOOT ELECTRODE, RFID READER, LCD DISPLAY, OPERATING SOFTWARE AND ENTRANCE GATE WITH TURNSTILE

## MAIN PROPERTIES

- Tester for checking personal grounding before entering an ESD protected area (EPA)
- Testing footwear system and wrist strap/groundable ESD smock system at the same time
- Can be used to test a groundable ESD smock system
- Test result indication on LCD display, with LED light and sound
- The measured results are stored on an internal SD card
- It is also possible to configure it so that a test can be carried out without touching the touch button, but an RFID card is required in this case too
- It saves the entry data as .csv files
- With an RFID reader that can handle cards that comply with most known RFID standards
- For indoor use only
- **We declare that the AIJGO-34 product complies with the requirements of IEC 61340-5-1, ANSI/ESD S20.20 and Directive 2001/95/EC (General product safety).**



## PARAMETERS

Resistance values indicated as acceptable by the tester	
Default setting when measuring footwear system	100 KΩ – 100 MΩ <i>You can also set an upper value of 35 MΩ, see the PieManager management software description.</i>
Default setting when measuring wrist strap/groundable ESD smock system	750 KΩ – 35 MΩ



Operating system	Linux Raspbian (The tester can be configured via LAN network using RJ45 cable)
Test voltage	100 V DC
Wrist strap/groundable ESD smock system connection	With a combined 10 mm snap, 4 mm banana plug socket
Power supply	230 V AC
Sizes	1000 x 950 x 1049,5 mm with platform and touch button

ORDER CODE	DESCRIPTION
AIJGO-34/COMP	Personal grounding tester with platform, double dual foot electrode, and entrance gate with turnstile
AIJGO-BAR1	Barrier for AIJGO-22/COMP or AIJGO-34/COMP tester
AIJGO-OLED	Optional gate opening touch button outwards
AIJGO-34/MSW	PieManager management software for AIJGO-34 and AIJGO-34/COMP (if buying more than one tester, it is sufficient and recommended to buy one if they will be networked together)

# AIJGO-60 WALKING TESTER



## MAIN PROPERTIES

- ▶ With an AIJGO-60 walking tester you can measure the electrostatic charges which are generated on a person who walks on the floor. The device displays the measured values on an LCD display in numerical or graphical mode.
- ▶ We declare that the AIJGO-60 product complies with the requirements of IEC 61340-5-1, ANSI/ESD S20.20 and Directive 2001/95/EC (General product safety).

## PARAMETERS

Sizes	93 x 185 x 35 mm (W x L x H)
Weight	ca. 350 g
Measuring range	±2 kV
Measuring accuracy	<±2 kV » max. 10%; ±2 kV - ±5 kV » Indication
Temperature measuring range	0 °C – 45 °C
Temperature measuring accuracy	±0,3%, max. ±0,5%
Temperature measuring frequency	~ 2 s
Humidity measuring range	10 – 85% RH
Humidity measuring accuracy	±2%, max. ±3,5%
Humidity measuring frequency	~ 2 s
Sample rate	250 µs
Data output	Via mini USB-B connection
Display	Graphic 128 x 64 pixel
Power supply	With 4 pieces of 1,5 V batteries or via USB cable

ORDER CODE	DESCRIPTION
AIJGO-60	Walking tester kit



# AIJGO-61 RESISTANCE METER



## MAIN PROPERTIES

- The AIJGO-61 resistance meter can be used to measure the resistance of different materials, work surfaces and floors. The measured result can be viewed on an LCD display after the measurement.
- We declare that the AIJGO-61 product complies with the requirements of IEC 61340-5-1, ANSI/ESD S20.20 and Directive 2001/95/EC (General product safety).

## PARAMETERS

Sizes	93 x 185 x 35 mm (W x L x H)
Weight	ca. 370 g
Test voltage	10 V, 100 V, 500 V ( $\pm 5\%$ $\pm 2$ V)
Resistance measuring range	2 $\Omega$ – 1 T $\Omega$
Resistance measuring accuracy	2 $\Omega$ – 10 <sup>9</sup> $\Omega$ : $\pm 10\%$ , 10 <sup>9</sup> $\Omega$ – 10 <sup>12</sup> $\Omega$ $\pm 20\%$
Temperature measuring range	0 °C – 45 °C
Temperature measuring accuracy	$\pm 0,3\%$ , max. $\pm 0,5\%$
Temperature measuring frequency	~ 2 s
Humidity measuring range	10 – 85% RH
Humidity measuring accuracy	$\pm 2\%$ , max. $\pm 3,5\%$
Humidity measuring frequency	~ 2 s
Stored values	Resistance, temperature, humidity
Number of measurement data rows that can be stored	20 pieces
Standard weight of electrodes	2,25 $\pm$ 0,25 kg
PC connection	Mini USB-B
Display	Graphic 128 x 64 pixel
Power supply	With 4 pieces of 1,5 V AA batteries or via USB cable
Operating time	ca. 12-14 hours

ORDER CODE	DESCRIPTION
AIJGO-61	Resistance meter kit

## AIJGO-5.1 RESISTANCE DECADE



### MAIN PROPERTIES

- Resistance decade with two measuring electrodes for the calibration of testers.
- 9 rotary switches to set output resistance between 0,1 Ω - 111,11111 MΩ
- 4 mm banana sockets
- Maximum current: 2 A
- Size: 215 x 195 x 65 mm
- We provide the product with manufacturer calibration certificate.

ORDER CODE	DESCRIPTION
AIJGO-5.1	Resistance decade

## AIJGO ACCESSORIES FOR ESD MEASURING



AIJGO-2



AIJGO-3



AIJGO-4



AIJGO-13

ORDER CODE	DESCRIPTION
AIJGO-2	Counter electrode
AIJGO-3	Glove measuring electrode
AIJGO-4	Grounding electrode, 25 cm length
AIJGO-13	Hand electrode



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## ESD MANAGEMENT SOFTWARE & SYSTEM

Improve the efficiency of your ESD processes and activities with our solution

**NEW**

### Our offer includes:

- AIJGO-60BT and/or AIJGO-61BT **hardware(s)**
- ESD management smart device **application** which can be installed on Android devices
- ESD management **software** which can be installed on computer and can be used via Intranet
- Accesses to the system for 3 users (1 admin, 2 technician roles)

MEASUREMENT

WIRELESS DATA TRANSFER

SOFTWARE

DATA MANAGEMENT



CONTACT US FOR QUOTE: [SALES@DESTSA.HU](mailto:SALES@DESTSA.HU)



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