GZ-600 Captain GREEN

Defensive Digital Display Personnel ESD Network System

The World's #1
"Failure - Preventive" Personnel ESD Footwear/Wrist-strap Checker
　　　～"Near-Fail" Indicators to Virtually Prevent Fails after Test

Patented Design

- ✓ *Digital* **Resistance Display**
- ✓ **"*Near-Fail*" Indicator**
- ✓ **Human Body Noise Filtration**
- ✓ **New Test Mode：**
  Test wrist-strap *or* footwear – Either one okay makes a PASS
- ✓ **Programmable Test Limits meeting S20.20 2014 & IEC-61340 2014**

The legendary GZ-600 Captain GREEN series is a product combining ESD footwear testing and computer-controlled access. In many EPA areas, the testing and recording of ESD footwear and wrist-strap is manually conducted in traditional ways. It is not guaranteed to be executed faithfully and in most cases is distorted by so many human errors. Both customers and the management are not confident with the test records. This leaves a big room for potential improvement in personnel ESD grounding test in your EPA. Aiming for this, the new GZ-600 provides an effective and failure-preventive solution. It enables enforced paperless testing of a person's grounding footwear and/or wrist-strap before entering the EPA and generates daily test report for the managers.

The main features include but not limit to the following:

● **TRUE**: Truly 100% paperless testing	● "Near-Fail" failure-preventive indicators
● **STABLE**: Automatic test record logging with history tracking	● Simultaneously or independently test footwear & wrist-strap
● **TOUCH**: Digital resistance display	● High/low test limits meeting S20.20-2014
● **ACCURATE**: Microprocessor-based independent left and right foot testing	● Fast and user-friendly various reports generation for test results

The GZ-600 series offers RS-232/RS-485 and TCP/IP networking communication capabilities. The various card reader units include almost all popular proximity card formats. Though its initial setup cost is a bit higher than the traditional manual testing, the Return-Of-Investment (ROI)) is much higher. It is clearly seen here that your 1 dollar investment in personnel ESD grounding test will receive 2 dollars in return.
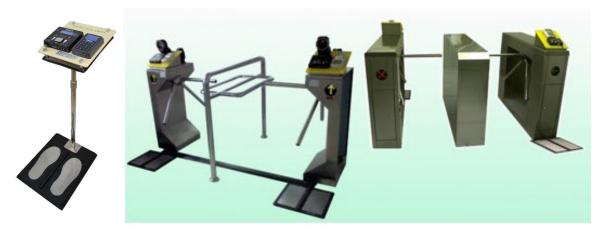
Comparison against traditional manual testing:

Traditional Manual Testing	GZ-600 Automatic Enforced Testing
Good only for non-serious applications.	For applications requiring strict ESD and image.
Not enforced. Easy to pass. Low initial cost.	Enforced testing to avoid by-pass. High return.
Manual paper recording may produce all kinds of human errors. No in-time reports.	100% paperless recording through processor memory to prevent human errors.
Loose control and management is error-prone. Can not gain trust and confidence from users.	Scientific management is accurate and effective. May monitor for a clean floor and gain user's trust.
Test is okay even just one of the 2 foot-wears passed. This blind point violates the standard.	Independent testing on each foot produces no blind point and is fully compliant to standard.

Applications:

SMT ESD areas, Clean-rooms, Hi-Tech R/D rooms, Military ESD areas, Explosive handling areas, Aero-space repairs, Drug productions, Hospital ESD restricted areas.

Technical Specifications:

Proximity Card formats:	Mifare / EM / Temic / HID
ESD Footwear Test:	100% Independently test left and right foot simultaneously
ESD Wrist-Strap Test:	Test both traditional and dual-wire wrist-straps
Test Modes:	No Test/ WS only/ FW only/ WS and FW/ WS or FW
High/Low Limit for Resistance Range Selection:	Multiple choices to fit ANSI /ESD S20.20 or IEC-61340
Special Indicators:	"Near-Fail" Indicators
LCD Digital Display:	Display Measured Resistance
Input Voltage:	100-240VAC, 50/60Hz
System Dimensions:	143×155×35 mm (L×W×H)
Dual Independent Footplate Dimensions:	480×403×25 mm (L×W×H)

Part No.	Description
GZ-600-MIF	ESD Footwear/Wrist-strap Tester & Recorder with Mifare Proximity Card Reader
GZ-600-EM	ESD Footwear/Wrist-strap Tester & Recorder with EM Proximity Card Reader
GZ-600-TEM	ESD Footwear/Wrist-strap Tester & Recorder with Temic Proximity Card Reader
GZ-600-HID	ESD Footwear/Wrist-strap Tester & Recorder with HID Proximity Card Reader

OPTIONAL ACCESSORIES:

Part No.	Description
ML-PR200M	Auxiliary Proximity Card Reader (Mifare)
ML-PR200E	Auxiliary Proximity Card Reader (EM)
ML-PR200T	Auxiliary Proximity Card Reader (Temic)
ML-PC1076M	Proximity Card, Mifare, Thin, 100-pcs Pack
ML-PC1180E	Proximity Card, EM, Thick, 100-pcs Pack
ML-PC1076E	Proximity Card, EM, Thin, 100-pcs Pack
ML-PC1180T	Proximity Card, Temic, Thick, 100-pcs Pack
ML-PC1076T	Proximity Card, Temic, Thin, 100-pcs Pack
ML-TX1326	Proximity Card, HID, Thick, 100-pcs Pack

Proximity Card Specifications	EM	TEMIC	MIFARE
Die	H4102	T5557	MF1 IC S50
Memory	64 Bits	128 Bits 330 Bits	1K Bits
Function	Read only	Read only	Read / Write
Frequency	125KHz	125KHz	13.56MHz
Modulation	ASK, Manchester	FSK, PSK, Manchester	FSK
Transmission	Passive	Passive	Passive
Operating Temperature	-30℃~+55℃	-30℃~+55℃	-30℃~+55℃
Storage Temperature	-40℃~+75℃	-40℃~+75℃	-40℃~+75℃
Material	ABS	ABS	ABS
Dimension	PC-1076/86×54×0.76mm PC-1180/86×54×1.8mm	PC-1076/86×54×0.76mm PC-1180/86×54×1.8mm	86×54×0.76mm

OPTIONAL HARDWARE:

Part No.	Description
TP-MD-01	Tripod Turnstile (Large)
TP-MS-02	Tripod Turnstile (Small)
AFB-AR	Flip Gate
ML-TSTAND	Tester Stand

* Outlook, specification and quotation are case dependent.

TP-MS-02
Housing(L×W×H)：
500×310×1012mm*

Bar length：480mm
Center bar height：850mm

TP-MD-01
Housing(L×W×H)：
1100×260×1010mm*

Bar length：Max 500mm
Center bar height：780mm

ML-STAND
(Footplate is not included)
Height: 1000~1200 mm

AFB-AR
Housing(L×W×H)：
836×300×1000mm*

Barrier length：235mm
[Each Wing]

Remarks: Contact our sales representative for more detailed information on specifications.

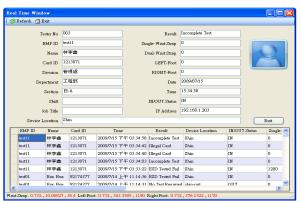# GZ-600-IMS
Captain GREEN Integrated Management Software
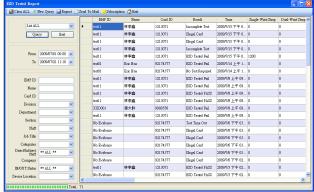## ～Computerized ESD Grounding Test Produces Error-Free Testing Reports

GZ-600-IMS is the integrated management software specifically designed for GZ-600. It provides the users easy-to-use and powerful functions including employee access administration and automatic statistical and analytical reports generation of test results. GZ-600-IMS can be used with a GZ-600 in stand-alone or networked mode. It runs on a PC and connects to the GZ-600 through the TCP/IP jacket in the network as shown below:

GZ-600-IMS is very easy to use with clear functions grouping. The user interface is menu driven. After the management accounts are setup, the account users can use the editing, query, and report generation functions within their authorization. Below are operation screen examples:

The existing employee and ID cards data can be imported to GZ-600-IMS through several popular data exchange formats. The records stored in GZ-600's memory can be exported in the similar way. The GZ-600 can be operated in Real-Time mode or in batch data retrieval mode per user's actual requirement.

SOFTWARE SELECTIONS:

Part No.	Description
GZ-600-IMS	Captain GREEN Management Software