

Captain GREEN Series\_GZ-600

# **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 failurepreventive 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.

# **Megalin Source International**

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**Global ESDA's Push for Defensive Testing** 

## Captain GREEN Series\_GZ-600

## The main features include but not limit to the following:

| • <b>TRUE</b> : Truly 100% paperless testing    | • "Near-Fail" failure-preventive indicators |
|---|---|
| • <b>STABLE</b> : Automatic test record logging | • Simultaneously or independently test      |
| with history tracking                           | footwear & wrist-strap                      |
| • <b>TOUCH</b> : Digital resistance display     | • High/low test limits meeting S20.20-2014  |
| • <b>ACCURATE</b> : Microprocessor-based        | • Fast and user-friendly various reports    |
| independent left and right foot testing         | 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    | 100% paperless recording through processor           |
| of human errors. No in-time reports.            | memory to prevent human errors.                      |
| Loose control and management is error-prone.    | Scientific management is accurate and effective.     |
| Can not gain trust and confidence from users.   | May monitor for a clean floor and gain user's trust. |
| Test is okay even just one of the 2 foot-wears  | Independent testing on each foot produces no blind   |
| passed. This blind point violates the standard. | 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.





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# **Global ESDA's Push for Defensive Testing**

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#### **Technical Specifications:**

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



PG-1193E (EH) PG-1199T /Term PC-1199E (EH-3

C-TOPIE (ES

| H4102                                       | T5557   | MELIC S50   |  |  |  |  |
|---|---|---|--|--|--|--|
|   |   | MF1 IC S50  |  |  |  |  |
| 64 Bits                                     | 128 Bits<br>330 Bits  | 1K Bits   |  |  |  |  |
| Read only                                   | Read only   | Read / Write  |  |  |  |  |
| 125KHz                                      | 125KHz  | 13.56MHz  |  |  |  |  |
| ASK, Manchester                             | FSK, PSK, Manchester  | FSK   |  |  |  |  |
| Passive                                     | Passive   | Passive   |  |  |  |  |
| -30°C~+55°C                                 | -30°C~+55°C   | -30°C~+55°C   |  |  |  |  |
| -40°C~+75°C                                 | -40°C~+75°C   | -40°C~+75°C   |  |  |  |  |
| ABS   | ABS   | ABS   |  |  |  |  |
| PC-1076/86×54×0.76mm<br>PC-1180/86×54×1.8mm | PC-1076/86×54×0.76mm<br>PC-1180/86×54×1.8mm   | 86×54×0.76mm  |  |  |  |  |
|   | Read only           125KHz           ASK, Manchester           Passive           -30°C ~+55°C           -40°C ~+75°C           ABS           PC-1076/86×54×0.76mm | 64 Bits         330 Bits           Read only         Read only           125KHz         125KHz           ASK, Manchester         FSK, PSK, Manchester           Passive         Passive           -30°C ~+55°C         -30°C ~+55°C           -40°C ~+75°C         -40°C ~+75°C           ABS         ABS           PC-1076/86×54×0.76mm         PC-1076/86×54×0.76mm |  |  |  |  |



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#### *GZ-600*

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# **OPTIONAL HARDWARE:**

| Part No.   | Description                                      |  |  |  |  |
|------------|--|--|--|--|--|
| ML-KT320E  | Bright 3-Armed Turnstile (Small)                 |  |  |  |  |
| ML-KT330E  | Bright 3-Armed Turnstile (Large)                 |  |  |  |  |
| ML-KT330Ei | 330Ei Bright 3-Armed Turnstile (Safe, Euro-Core) |  |  |  |  |
| ML-KTBOX   | Stainless Steel Blocker/Divider                  |  |  |  |  |
| ML-JS184   | Jieshun Turnstile (Small)                        |  |  |  |  |
| ML-JS180   | Jieshun Turnstile (Large)                        |  |  |  |  |
| ML-KT-INST | Tester Integration Set for Turnstile             |  |  |  |  |
| ML-JEB002  | Electric Lock                                    |  |  |  |  |
| ML-DR      | Electrical Door (Standard Dimension) *           |  |  |  |  |
| ML-DR-INST | Electrical Door Installation *                   |  |  |  |  |
| ML-TSTAND  | Tester Stand                                     |  |  |  |  |

\* Specification and quotation are case dependent.



ML-KT320E Housing(L×W×H) : 460×285×950 mm Bar length : 460mm Center bar height : 820mm



ML-KT330E / ML-KT330Ei Housing(L×W×H) : 1250×300×980 mm Bar length : Max 480mm Center bar height : 780mm



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



ML-JS184 Housing(L×W×H) : 420×330×980 mm Bar length : 530mm Center bar height : 880mm



ML-JS180 Housing(L×W×H) : 1200×280×990 mm Bar length : 530mm Center bar height : 820mm

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



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**Captain GREEN Series GZ-600** 

# **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 standalone 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:

| Real Time Int. | eda an    |                           |                        |                              |                |              |  | REP Treed Report                           |        |             |        |                |                 |                  |                | 5168         |
|----------------|-----------|---------------------------|------------------------|------------------------------|----------------|--------------|--|--|--------|-------------|--------|----------------|-----------------|------------------|----------------|--------------|
| all brown ()   | A Exer    | _                         |                        |                              |                |              |  | give All. The part player                  | This P | - Ball      | an the |                |                 |                  |                |              |
|                |           |                           |                        |                              |                |              |  | · · · · · · · · · · · · · · · · · · ·      |        | 0.0.0       | 3. Bat | Def D          | . Bundt         | Tim              | Inger Wast Day | (Ind Salling |
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|                | 6217.32   | edit:                     |                        | ugh Walthin                  | *              |              | -  | Clean 1 be                                 |        | 00          | 114    | 04.071         | - Reflat        | 20011771         |                |              |
|                | Area      | 1144                      |                        | Desi-Wasting                 | 4              |              |  |  |        | 19973       | 178    | 013011         | Read Case       | 2097/1778        |                | ¥.           |
|                |           | 121.071                   |                        | LEPT-Paul                    |                |              |  | No. 201010 101 m                           |        | 140         | 110    | 0.011          | Included Sol.   | 3900741          |                |              |
|                |           |                           |                        |                              |                |              |  | A STATE AND A STATE AND A STATE OF A       |        | 443         | ***    | 1043011        | ST-Total Fal    | 000/01745        |                | A            |
|                | Dramm.    |                           |                        | BIGET Post                   | e              |              |  | # 20000111 P                               |        | 1898.1      | 58.916 | 30(34)07       | Bill familie    | 300424781        |                | 9.           |
| 1              |           | 1.4241                    |                        | - 2148                       | 2009/0110.0    |              |  |  |        | will !      | Selle- | 1017177        |                 | 300705.241       |                | 8            |
|                | -         |                           |                        | - Dise                       | 15.04.50       |              |  | 10.00                                      |        | AND CO.     | 894.   | 105.975        | 20 Iver M       | 300/18 2 4 18    |                | 0            |
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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-ENT | Captain GREEN Management Software-Enterprise Version |  |  |  |  |  |  |



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