

Warmbier Test Equipment PGT130 Personal Grounding Tester

An all-in-one, complete test station for ESD footwear and wrist straps with data collection.

The PGT130.DT personnel grounding tester takes quick and accurate resistance measurements of the ESD grounding products with the ability to store test data in SQL database on your network. Measurements from the tester can be easily exported and formatted to suite your preexisting compliance program. Built in LCD screen measures 2.2" x 1.5" and displays date, time, temperature, user ID and test results.

The unit operates with 3 independent measuring circuits for the left shoe, the right shoe and the wrist strap. The shoes can even be measured in a hands free mode which means that the staff members are tested automatically when standing on the plate. PGT130.DT can be connected to an automatic door opening system which allows entry with only passing results.

Data Collection

The PGT130.DT has a built in Data Terminal which collects ESD tests measurement data:

- Central data collecting and control server synchronizes measurement data and access control
- Open database interface for connecting customer systems
- User identification via integrated RFID reader or with an external HID compatible USB Device (Barcode Scanner, Keyboard, Magnetic Stripe Reader)
- Built-in relay system to trigger a turnstile

The PGT130.DT is supplied complete with footwear testing electrode, flexible cord, transformer with power cord and calibration protocol. Recommended calibration interval is 24 month

Corresponding wall mounting plate, pedestal stand is sold separately (or part of a package).

Applications:

The PGT130 tests the functionality of ESD personal grounding equipment such as ESD shoes, heel grounders and wrist straps. Incorporated data distribution features allow centralized control of Users and Test Measurements in the SQL based database of your choosing.

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



Features

- Independently Test Footwear, Wrist Straps, Gloves & Jackets
- Test Results Can Be Viewed from an Browser on your Network and are Stored in a SQL Based Database
- Automatically Test Footwear in Hands-Free Mode
- Built-in RFID Reader
- Internal Relay Allows for Integration into Electronic Barriers such as Door and Turnstiles
- Built in LCD screen measures 2.2" x 1.5" and displays date, time, temperature, user ID and test results

PGT130.DT Tester Data Management

Measurements

PGT130.DT Personnel Grounding Tester - Measurement

[History](#) | [Sysinfo](#) | [Configuration](#) | [Logout](#)

Date	Time	Shoe left	Shoe right	Wrist/Smock	Result	ID	Temp.	RH
2021-07-14	09:02:43	2.3 MΩ	3.0 MΩ	2.4 MΩ	OK	User 04	26.1°C	54.0%
2021-07-14	08:20:22			2.6 MΩ	OK	User 03	26.1°C	54.0%
2021-07-14	08:19:49	1.9 MΩ	2.5 MΩ	Hi Fail	Wrist/Smock Hi-Fail	User 03	26.1°C	54.0%
2021-07-14	08:19:09	1.9 MΩ	2.3 MΩ		OK	User 02	26.1°C	54.0%
2021-07-14	08:18:40	Hi Fail	2.7 MΩ		Left shoe Hi-Fail	User 02	26.1°C	54.0%
2021-07-14	08:18:10			2.5 MΩ	OK	User 01	26.1°C	54.0%
2021-07-14	07:48:43			Hi Fail	Service access	*Service	26.1°C	54.0%
2021-07-14	07:44:26	2.1 MΩ	2.7 MΩ		OK	User 02	26.1°C	54.0%
2021-07-14	07:43:53			2.4 MΩ	OK	User 03	26.1°C	54.0%
2021-07-14	07:43:11	Hi Fail	Hi Fail	2.4 MΩ	Left shoe Hi-Fail; Right shoe Hi-Fail	User 02	26.1°C	54.0%
2021-07-14	07:42:42	2.4 MΩ	3.1 MΩ	2.6 MΩ	OK	User 04	26.1°C	54.0%

The stored measurement data can be seen via a WEB-Browser over the LAN connection.



Pair the unit with the PGT130.DT Data Term Software and you receive real-time ESD testing with personnel identification, access control and central data maintenance. Also connect to a number of accessories such as a label printer, bar code scanner, RFID, database server and much more.

- Ready to integrate into existing infrastructure
- Multiple PGT130.DT stations can be networked
- Existing identity cards or time attendance cards can be re-used
- Open database interface
- Measurement data is ready to process after a few seconds
- Various databases can be used
- Combination with existing access systems is possible
- Secure network communication



PGT130.DT Tester

Accessories

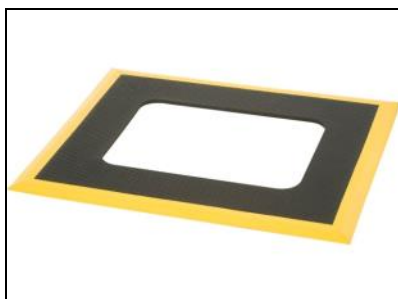
The PGT 130.DT is supplied complete with footwear electrode, flexible cord, and transformer with power cord. The following accessories are available:



The PGT130.DT.CU periodic verification unit is used to check that the PGT120 tester is working properly.



PGT130.WK is mounting plate that can securely fix the PGT130 meter to a wall.



PGT120.SM is a anti-fatigue mat with a cutout to house the footwear electrode. Complete with beveled yellow edges to reduce tripping and provide a clean look.

Model PGT130.DT

Power Input

Specifications

100-240V 50-60hz

Upper Limit Test range:

Wrist Strap /Smock

35M Ω 100M Ω , or 1G Ω

Shoes (each shoe)

< 20 / 35 / 70 / 100 M Ω

Shoes in Hands-free" Mode

< 40 / 70 / 140 / 200 M Ω

Lower Limit Test range:

Wrist Strap /Smock

750K Ω , OFF

Footwear

100 M Ω , OFF

Signals:

Green LED

"OK"

Red LED's and buzzer

"Hi-Fail" or "Lo-Fail"

Door opener

Dry contact "OK"

Door opener time

3 seconds

Dimensions:

Meter

.59 x 7.87 x 2.4 in

Footwear Electrode

13.7 x 19.6 in

Mat for Footwear

32.67 x 26.7 x .51 in

Part Numbers:

7100.PGT130.DT:

Personal Grounding Tester

7100.PGT120.COM.SOFT

Software

7100.PGT130.DT.TF

Temperature and Humidity Sensor

7100.PGT120.WK:

Wall Mounting Plate

7100.PGT130.CU:

Calibration Unit for PGT130.DT

7100.PGT120.SM:

Mat for Footwear Electrode with Yellow Beveled Edges
Pedestal Stand

7100.PGT120.SD:

Label Printer

7100.PGT120.COM.D.2

Signal Lamp

7100.PGT120.TEST.13

Signal Lamp

About Transforming Technologies

Since 1998, Transforming Technologies has helped electronic manufacturing facilities to protect their products and processes from the many serious problems associated with static electricity.

Transforming Technologies offers a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are integral components of an effective static control program.



TRANSFORMING TECHNOLOGIES

OUTSTANDING ALTERNATIVES IN STATIC CONTROL

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