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AccessPRO - PGT120K340

Data Logging PGT120 with Data Terminal 3 & FastPass Turnstile

The PGT120K340 is an easy to use and complete test station for ESD footwear and wrist straps, access control and datalogging.

The PGT120.COM personnel grounding tester takes quick and accurate resistance measurements of the ESD grounding products with the ability to integrate with a computer to store test data. Access to this information is valuable to your quality program.

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.

Data Collection

The Data Terminal 3 in combination with PGT120.COM collects ESD tests measurement data:

- User identification with any USB HID input device
- Central data collecting and control server synchronizes measurement data and access control
- Open database interface for connecting customer systems

Access Control

The PGT120 personnel grounding tester with the FastPass turnstile verifies the functionality of an operator's wrist strap, ESD footwear or ESD jacket and only allows access through the turnstile with a PASS test. The USA made FastPass turnstiles are designed for years of reliable service in high traffic/volume applications. Thousands are currently in use in factories, pro-sports venues, amusement parks and high-profile attractions worldwide. The cabinets are constructed of heavy 14-guage, 300 series satin stainless steel with minimal exposed hardware.





With the PGT120 ESD Tester

Features

- Independently Test ESD Grounding Products for Functionality
- Pass/Fail Results are Indicated
 Audibly and Visually
- Log Test Results into Computer
 Database with Reliable Software
- Automatically Test Footwear in Hands-Free Mode
- Controls Access to ESD Protected Areas with FastPass Turnstile Integration

Applications:

The PGT120 tests the functioning of ESD personal grounding equipment such as ESD shoes, heel grounders and wrist straps. Testing ESD grounding equipment is an integral part of a complete ESD program.

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.

PGT120 Tester Data Management

The PGT120.COM includes an additional RS232 interface to process measurement data and test results in a data base. A computer or a terminal can be connected to the serial RS232 interface. The following data is available in ASCII format:

- Value Footwear in Series: Value in kOhm
- Value Wrist Strap System: Value in kOhm
- Value of Left Foot: Value in kOhm
- Value of Right Foot: Value in kOhm
- Test OK: OK
- Test Failed: Error no.

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	Date	Time	Shoe left	Shoe right	Wrist strap	Result	Temp.	RH
1	2013-09-11	09:28	15.0 MΩ	3.3 MΩ	2.5 ΜΩ	ОК	22.4	45.4
2	2013-09-11	09:28	47.0 MΩ	3.5 MΩ	2.5 MΩ	8	22.4	45.4
3	2013-09-11	09:28	14.2 MΩ	3.2 MΩ	2.6 MΩ	ОК	22.4	45.4
4	2013-09-11	09:28	6.0 MΩ	3.2 MΩ	2.4 MΩ	ОК	22.4	45.4
5	2013-09-11	09:28			2.4 MΩ	ОК	22.4	45.4
6	2013-09-11	09:28	4.2 MΩ	69.6 MΩ		32	22.4	45.4
7	2013-09-11	09:27	4.3 MΩ	33.0 MΩ		ОК	22.4	45.5
8	2013-09-11	09:27	4.6 MΩ	32.8 MΩ		ОК	22.4	45.5
9	2013-09-11	09:27	27.5 MΩ	3.5 MΩ		ОК	22.4	45.5
10	2013-09-11	09:27	29.6 MΩ	3.6 MΩ		ОК	22.4	45.5
11	2013-09-11	09:27	27.8 MΩ	3.6 MΩ		OK	22.4	45.5
12	2013-09-11	09:27	18.4 MΩ	3.4 MΩ		ОК	22.4	45.5
13	2013-09-11	09:27	9.7 MΩ	3.7 MΩ		ОК	22.4	45.5
14	2013-09-11	09:26	34.3 MΩ	3.6 MΩ		ОК	22.3	45.5
15	2013-09-11	09:26	8.7 MΩ	3.7 MΩ		ОК	22.3	45.5
16	2013-09-11	09:26	5.1 MΩ	4.1 MΩ		ОК	22.3	45.5
17	2013-09-11	09:26	4.2 MΩ	5.8 MΩ		ОК	22.3	45.5
18	2013-09-11	09:26	5.5 MΩ	4.5 MΩ		ОК	22.3	45.5
19	2013-09-11	09:25	4.3 MΩ	5.7 MΩ		ОК	22.2	45.4
20	2013-09-11	09:25	5.3 MΩ	4.4 MΩ		ОК	22.2	45.4

Pairing the unit with the PGT120.COM Data Terminal 2 provides 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 PGT120.COM 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



7100.PGT120.COM.USNot included with kit. Software is a one-time fee and works with up to 32 testers

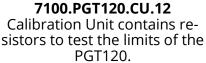
HID Input

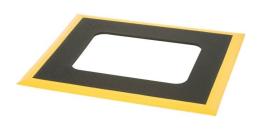
The PGT120K330 includes a basic keypad to input employee identifiers. Also built into the data terminal 3 is a RFID card reader. This allows existing identity cards to be used with the unit. If you have existing cards, the reader may have to be formatted to work with your card.



PGT120 Accessories







7100.PGT120.SM Anti-fatigue mat with a cutout to house the footwear electrode. Complete with beveled yellow beveled edges for a complete, clean look.



7100.PGT120.COM.D.2 Label printer that will print off employee ID and test results



7100.PGT120.TEST.13 Signal lamp lights up green or red depending on pass or fail

Model PGT120.COM Specifications

9 volt battery (tester) or; **Power Input**

110 VAC power supply

Test range:

Wrist Strap & Coil Cord 750 kW 35 MW Shoes (each shoe) < 20 / 35 / 70 / 100 MW **Shoes in Hands-free" Mode** < 40 / 70 / 140 / 200 MW

Signals:

Green LED "OK"

Red LED's and buzzer "Hi-Fail" or "Lo-Fail" Door opener Dry contact "OK" Door opener time 3 seconds Weight: app. 500g

Dimensions: 150 x 200 x 63 mm

Part Numbers: PGT120K340 Kit List

7100.PGT120.COM.US: Tester & Footplate

7100.PGT120.DB9: Relay Cable FP-500: FastPassTurnstile 7100.PGT120.TEST.12: Relay Module

7100.PGT120.WK: Mounting Plate, Wall or Turnstile 7100.PGT120.COM.DT3 Data Terminal Controller 3 7100.PGT120.TEST.10: Temp/Humidity Sensor

7100.PGT120.TEST.11: Keypad 7100.PGT120.TEST.16: **USB Hub**

About Transforming TechnologiesSince 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.



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