

Warmbier Test Equipment PGT120 Personal Grounding Tester

The PGT120 is an easy to use and complete test station for ESD footwear and wrist straps.

The PGT120 personnel grounding tester takes quick and accurate resistance measurements of the ESD grounding products and ensures they are working properly. The test results are indicated both with audible and visual signals.

The unit operates with 3 independent measuring circuits for the left shoe, the right shoe and the wrist strap. This makes it possible to measure all the values at the same time. 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. PGT120 can be connected to an automatic door opening system which allows entry with only passing results.

The PGT120 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, and electrode anti-fatigue mat is sold separately.

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.



Features

- **Independently Test Footwear & Wrist Strap Grounding Products**
- **Pass/Fail Results are Indicated Audibly and Visually**
- **Automatically Test Footwear in Hands-Free Mode**
- **Can be Integrated into Door/Barrier Opening System**

PGT120 Tester

Accessories

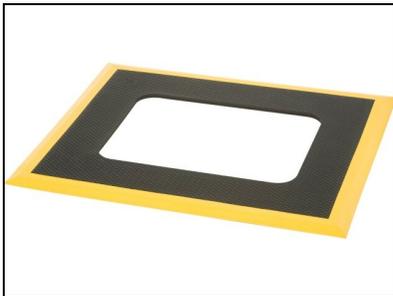
The PGT 120 is supplied complete with footwear electrode, flexible cord, and transformer with power cord. The following accessories are available:



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



PGT120.WK is a mounting plate that can securely fix the PGT120 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 PGT120	Specifications
Power Input	9 volt battery; 230 VAC power supply
Test range:	
Wrist Strap & Coil Cord	750 kΩ 35 MΩ
Shoes (each shoe)	< 20 / 35 / 70 / 100 MΩ
Shoes in Hands-free" Mode	< 40 / 70 / 140 / 200 MΩ
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 Electrode	32.67 x 26.7 x .51 in
Part Numbers:	
7100.PGT120:	Personal Grounding Tester
7100.PGT120.WK:	Wall Mounting Plate
7100.PGT120.CU:	Calibration Unit for PGT120
7100.PGT120.SM:	Mat for Footwear Electrode with Yellow Beveled Edges

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.