

## PGT<sup>®</sup>120 Personnel Grounding Tester (Part Nr.: 7100.PGT120)

- The Personnel Grounding Tester PGT<sup>®</sup>120 is a wrist strap and footwear tester for access control of ESD protected areas (EPA)
- The test result is indicated with audible and visual signals.
- A relay with a dry contact provides the connection to a door opening system. (Adjustable door opening time 1s and 3s)
- Power supply: Internal battery or external power supply unit
- Wrist strap, right and left shoe testing is simultaneously possible by separate measuring circuits
- In combination with a barrier gate, the footwear measurement can be performed in series **without** pressing a contact electrode (hands-free mode).
- Separate measurement of left and right shoe
- Lower limit disabling is possible for shoe testing **and** wrist strap testing
- Beeper can be configured **and** disabled
- The unit can be used on bench tops or as a wall mounted unit (Wall mounting requires an additional wall mounting plate)



### Test mode and limit values:

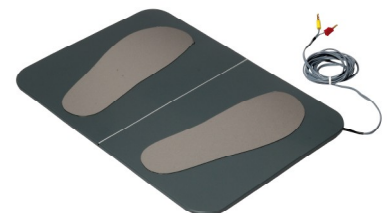
|                                                        | Measuring range / Test voltage                                            | Standard      |
|--------------------------------------------------------|---------------------------------------------------------------------------|---------------|
| Wrist strap / coil cord                                | (750 kΩ*) - 35 MΩ<br>* lower limit <i>can be disabled</i>                 | IEC 61340-5-1 |
| Footwear worn on metal plate<br>(values for each shoe) | (100 kΩ*) - 20 / 35 / 70 / 100 MΩ<br>* lower limit <i>can be disabled</i> | IEC 61340-5-1 |
| Footwear in series                                     | 40 / 70 / 140 / 200 MΩ<br>(both shoes in series)                          | ---           |
| Test voltage<br>(without load)                         | 100V/DC<br><i>changeable to 50V or 30V</i>                                | IEC 61340-5-1 |



Dimensions:  
150 x 200 x 65 mm

### Supplied with:

- Footwear electrode,
- Power supply 230V/12V,
- 9 V battery
- Manual and calibration certificate (German/English)



- ▶ 1 year limited warranty
- ▶ Recommended calibration interval: 2 years
- ▶ Persons with active implants (i.e. pacemakers) should use the Personnel Grounding Tester only after consultation with a specialist.

Picture: Footwear electrode  
for separate shoe testing  
(350 x 500 x 8 mm)

### **Version with DIP 12 switches (from SN: 10000 on):**



The unit can be configured with DIP switches in the back side of the unit.

### **Options:**

- „OR“ (wrist strap test or shoe testing)
- „only shoes“
- „only wrist strap testing“
- „AND“ (wrist strap and shoe testing)

Additionally other functions as i.e. “limit values”, “test voltages”, “standard test mode” or “Hands-free-modus” can be selected via these DIP switches.

### **Optional accessories:**

- Wall mounting plate  
(stainless steel) **Part Nr. 7100.PGT120.WK**
- Calibration Unit for PGT<sup>®</sup>120/  
PGT<sup>®</sup>120.COM with DIP12 **Part Nr. 7100.PGT120.CU.12**
- Mat for footwear electrode  
with yellow bevelled edges **Part Nr. 7100.PGT120.SM**
- Separating bar for footwear  
electrode **Part Nr. 7100.PGT120.TS**

