

OHM Metrics™ Combo Tester PDT800K Deluxe “Near-Fail” Alert Tester

Never Have a Grounding Device Fail in the Field with the PDT800K Deluxe ESD Wrist Strap/Footwear Tester with “Near-Fail” Alert

The OHM Metrics™ PDT800K is a comprehensive, accurate ESD Ground Device Tester that fully meets your daily ESD checking needs. The PDT800K independently tests the left and right foot and wrist band and gives a visual and audible PASS/FAIL indicator. An innovative LCD screen will instantly display the test result and the measured resistances so you can easily understand your testing program.

Stop A Ground Device Failure Before It Happens

What makes the PDT 800K unique is the proactive “Near-Fail” Alert that indicates to the user that the ESD grounding device under test is Passing but nearing failure levels and should be changed soon if not right away.

Audible and visible alarms are triggered if the wrist straps resistance exceeds 35 megohm and heel grounders exceed 100megohm(factory default). Low resistance can also triggers an alarm event. The high and low limits of both wrist strap and footwear can be changed by the DIP Switch located at the bottom of the tester.

Applications:

The PDT800K 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. The device displays actual test results so it is an excellent lab tool.

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

- Tests Wrist Straps and Footwear (Left and Right Feet Independently)
- Proactive “Near-Fail” Alert Indicates a if Ground Device is Close to Fail Levels. Eliminates Failures in the Field
- Preset with Broad Selectable Test Range : 100KΩ~1GΩ.
- LCD Instantly Displays the Test Result and the Measured Resistance.
- Test Limits Meet USA and European Standards Audible and Visual Alarms
- Can be Integrated into Door/Barrier Opening System

OHM Metrics™ PDT800K

Turnstile/Barrier/Gate System:

The PDT series testers have a built in N/C N/O switch used with doors or turnstiles where a positive test allows the person to move through. The relay has contact rating of 1A 30VDC maximum, with the center contact as COMMON contact and the left contact as NC(normally close) and the right contact as NO(normally open). These are the inputs that are used to connect the device you want to trigger.

Change Alarm Limits

The high and low limits of both wrist strap and footwear can be changed by the DIP Switch located at the bottom of the tester. The default wrist strap high limit is 35M and can be set to 10M. The default footwear high limit is 100M and can be set to 10M, 35M or 1G. The default low limit on footwear is 1M and can be set to 100K.

Verification and Calibration

The PDT800K is factory calibrated and annual calibration is not necessary. Verification tools that simulate a functional and non-functional wrist straps/footwear are available to verify that the monitor is functional. It is recommended to verify proper working order with the [PDT78PV periodic verification unit](#) at least once per year.

Mounting Options

The PDT800K is a freestanding tester which includes the testing device, footplate and pedestal stand. The unit is also available as a wall mount unit and does not include the pedestal stand (p/n PDT800).

Model PDT800K

Test Modes

Power:

Temperature limits:

Adjustments:

System Relay:

Test Button:

Alarm Limits

Wrist Strap

Low Resistance: 1M.

High Resistance: 35M (default) or 10M (Selectable)

Footwear Resistance:

Low Resistance: 1M (default) or 100K (Selectable)

High Resistance: 100M (default) or 10M, 35M, 1G (Selectable)

"Near-Fail" Alert:

Special Alert will Indicate when Device is with 10% of Fail Levels

Tolerance:

+/-10% for <100M

+/- 20% for >100M

Product Numbers

PDT800K

Tester Kit: Monitor, Footplate, Stand

PDT800

Monitor and Footplate Only

PDT800M

Monitor Only

PDT78SD

Pedestal Stand Only

PDT78FP

Footplate Only

PDT78PV

Periodic Verification Unit

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.

