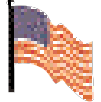


Ground Gard Traveler Operation, Troubleshooting and Calibration



Made in America



Figure 1. 94312 Ground Gard Traveler

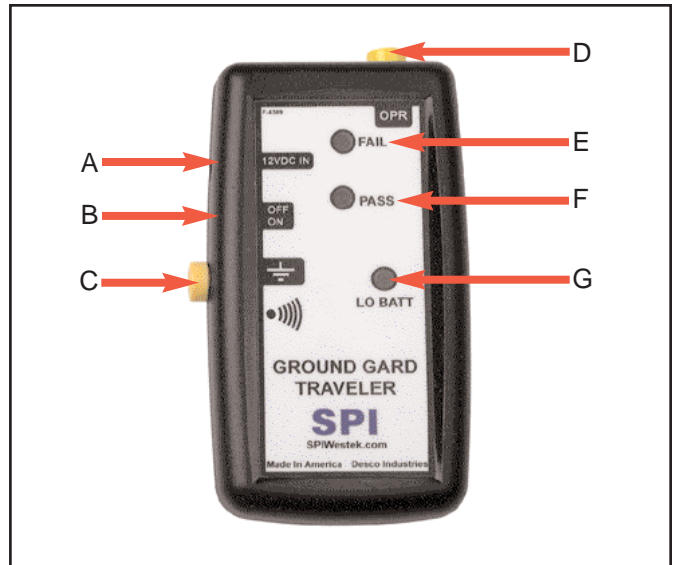


Figure 2. Ground Gard Traveler features and components

Description

The SPI Ground Gard Traveler is a portable, 3 Volt battery-operated continuous wrist strap monitor. The unit verifies electrical continuity between a wrist strap worn by an operator and a ground reference. The ground reference does not have to be electrically connected to the earth. Rather it may be any conductive object where assurance is needed that it is at the same electrical potential as the operator. This might be a workbench, a rolling cart, or a wire shelf. The Ground Gard Traveler is designed for a standard, single conductor wrist strap wire with an integrated 1 megohm resistance.

Packaging

- 1 Ground Gard Traveler
- 1 Ground Coil Cord
- 1 Bulldog Clip
- 2 AA Batteries
- 1 Certificate of Calibration

Features and Components (See Figure 2)

- A. 12 VDC Power Jack:** Connect the optional 95409 power adapter here.
- B. Power Switch:** Slide the switch up to turn the unit off and slide it down to turn it on.
- C. Ground Jack:** Where the ground cord banana plug is inserted.

- D. Operator Jack:** Where the operator inserts the wrist cord banana plug.
- E. FAIL LED:** Illuminates red when either the operator or ground are not properly grounded or connected.
- F. PASS LED:** Illuminates green when the operator and ground are properly grounded and connected.
- G. LO BATT LED:** Illuminates yellow when the battery power is low (2 volts).

Operation

- I. Snugly fit the wristband onto your wrist and snap it to the wrist cord.
- II. Plug the wrist cord into the monitored banana jack labeled OPR (see Figure 2).
- III. Plug the ground coil cord into the monitored banana jack labeled with the ground symbol (see Figure 2). Securely connect the other end to a ground reference point using the banana plug or bulldog clip.
- IV. Slide the power switch to the ON position to power the Ground Gard Traveler. Ground continuity is indicated by a green illuminated PASS LED.

If the FAIL LED and alarm are activated, check the connections of the wrist band, wrist cord, and ground cord. Ensure that the ground reference is properly grounded. If the unit continues to fail, consider calibration.

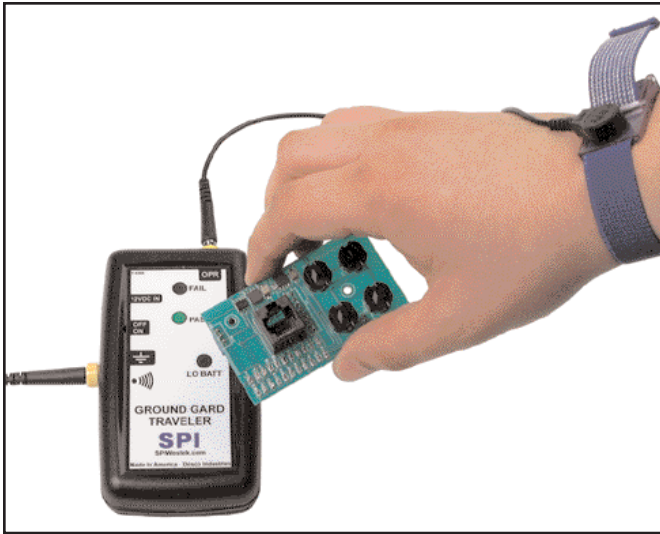


Figure 3. Using the Ground Gard Traveler

Calibration

The Ground Gard Traveler may be calibrated using the 94335 Calibration Unit. Please refer to technical bulletin TB-5505 for calibration procedures.

Specifications

- Dimensions: 2.8" x 4.9" x 0.9"
- Weight (w/ battery): 0.28 lbs
- Wrist Strap: Standard single conductor with integrated 1 megohm resistor (we recommend using an SPI coil cord)
- Nominal Resistance from Operator Connection Point to Ground Reference: 550k ohms
- Battery: 2 AA Batteries (3 Volts)

Limited Warranty

SPI expressly warrants that for a period of one (1) year from the date of purchase, SPI Ground Gard Travelers will be free of defects in material (parts) and workmanship (labor). Within the warranty period, the product will be tested, repaired, or replaced at our option, free of charge. Call our Customer Service Department at 909-664-9986 for a Return Material Authorization (RMA) and proper shipping instructions and address. Include a copy of your original packing slip, invoice, or other proof of purchase date. Any unit under warranty should be shipped prepaid to the SPI factory. Warranty repairs will take approximately two weeks.

If your unit is out of warranty, call Customer Service at 909-664-9986 for a Return Material Authorization (RMA) and proper shipping instructions and address. SPI will quote repair charges necessary to bring your unit up to factory standards.

Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

Limit of Liability

In no event will SPI or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.