

ESD Glove Test Fixture Installation, Operation and Maintenance



Made in the
United States of America



Figure 1. EMIT 50755 ESD Glove Test Fixture

Description

The EMIT ESD Glove Test Fixture is designed to be used with the SmartLog V5™ and Combo Tester X3 to test operators that wear ESD gloves or finger cots per Compliance Verification required by ESD TR53. The Test Fixture is made with a stainless steel electrode that creates a larger test surface area allowing the path-to-ground of the operator wearing gloves or finger cots to be measured. An infrared sensor activates the ESD Glove Test Fixture when the operator grips the electrode and overrides the test switch on the personnel tester.

ESD Control Programs which include measures to prevent Charge Device Model (CDM) ESD damage will often require the use of finger cots or Static Dissipative Gloves. Operators handling ESD sensitive items wearing gloves or finger cots should be tested using a wrist strap or footwear tester while wearing the gloves or finger cots. The test is in accordance with Compliance Verification ESD TR53.

The EMIT 50755 ESD Glove Test Fixture is to be used with the following items:

Brand	Item	Description
EMIT	50766	SmartLog V5™, North America
EMIT	50767	SmartLog V5™, Asia
EMIT	50768	SmartLog V5™, Europe
EMIT	50769	SmartLog V5™, Europe, with 10mm Adapter
Desco	19278	Combo Tester X3, North America
Desco	19279	Combo Tester X3 with Stand, North America

NOTE: The 50755 ESD Glove Test Fixture is also compatible with the following discontinued EMIT items:

50760, 50761, 50762, 50763

Packaging

- 1 ESD Glove Test Fixture
- 1 Communication Cable
- 2 Mounting Screws

Installation

SMARTLOG V5™

1. Mount the ESD Glove Test Fixture next to the SmartLog V5™ using its mounting tabs located at the top and bottom.
2. Connect the included communication cable to the jack located at the bottom of the ESD Glove Test Fixture.
3. Connect the other end of the communication cable to the External Reader port located on the right-side of the SmartLog V5™. No power adapter is needed for the ESD Glove Test Fixture. It will draw its power from the tester.



Figure 2. Locating the External Reader port on the SmartLog V5™

COMBO TESTER X3

1. Mount the ESD Glove Test Fixture next to the Combo Tester X3 using its mounting tabs located at the top and bottom.
2. Connect the included communication cable to the jack located at the bottom of the ESD Glove Test Fixture.
3. Connect the other end of the communication cable to the External Reader port located on the bottom of the Combo Tester X3. No power adapter is needed for the ESD Glove Test Fixture. It will draw its power from the tester.

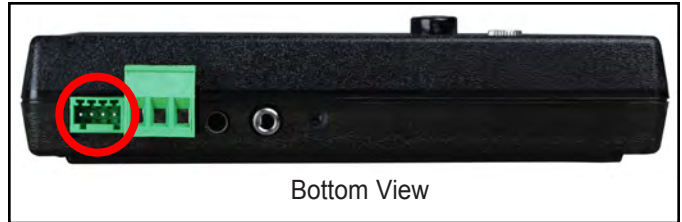


Figure 3. Locating the External Reader port on the Combo Tester X3

Operation

SMARTLOG V5™

1. Initiate the test procedure by identifying yourself to the SmartLog. This may be done using the keypad, barcode badge scanner or proximity badge reader (if supplied).
2. Follow the prompt on the SmartLog's display.
3. When performing a footwear test, be sure to place both feet on the dual foot plate (one foot per plate).

When performing a wrist strap test, be sure to completely plug in the wrist cord into the tester's jack.

4. Grab the ESD Glove Test Fixture's electrode to perform a test. Hold the electrode until the results of the test are displayed on the SmartLog.

If performing a wrist strap test, and the wrist strap status LEDs do not illuminate, verify that the wrist cord is correctly inserted into the tester.

5. The relay terminal will activate if the defined tests are passed (if applicable).



Figure 4. Using the ESD Glove Test Fixture with the SmartLog V5™

COMBO TESTER X3

1. When performing a footwear test, be sure to place both feet on the dual foot plate (one foot per plate).

When performing a wrist strap test, be sure to completely plug in the wrist cord into the tester's jack.

2. Grab the ESD Glove Test Fixture's electrode to perform a test. Hold the electrode until the results of the test are displayed on the Combo Tester X3.

If you are performing a wrist strap test, and the wrist strap status LEDs do not illuminate, verify that the wrist cord is correctly inserted into the tester.

3. The relay terminal will activate if the defined tests are passed (if applicable).

Specifications

Operating Voltage	12 VDC
Operating Temperature	32°F to 104°F (0 to 40°C)
Dimensions	8.3" x 4.0" x 3.2" (21.1 cm x 10.2 cm x 8.1 cm)
Weight	0.9 lbs (0.4 kg)
Communication Cable	2' Long (61 cm)

Limited Warranty, Warranty Exclusions, Limit of Liability and RMA Request Instructions

See EMIT's Warranty -

<http://emit.descoindustries.com/Warranty.aspx>



Figure 5. Using the ESD Glove Test Fixture with the Combo Tester X3