

3M™ Shoes and Wrist Strap Tester 747

3M™ Data Logging Software 747DLS

Daily inspection and recording of wrist strap and shoe testing is very important as a fundamental countermeasure against static on personnel. A fully functional resistance tester, the new Shoes and Wrist Strap Tester 747 makes it possible to control both in a single unit. Use of the external data port allows automatic recording of test results, eliminating manual recording and possible errors.

Features

- Checks personnel wearing wrist straps, ESD shoes and heel straps against preset resistance limits
- Actual measurement results are indicated on an LCD display and by LED lamps
- Test results available on RS-232C Serial Port and output jack
- Testing data automatically recorded when utilizing the Data Logging Software 747DLS

Shoes and Heel Strap 747 Testing

- Electrical resistance of ESD shoes and heel straps is measured and compared to preset limits.
- Set value for the upper and lower resistance limits can be varied. Upper limit: 10M ohms, 35M ohms, or 100M ohms. Lower limit: 100k ohms (1.0M ohms).
- LCD display indicates actual resistance measurement value.*
- LEDs on the tester indicate Low, OK, and High test results.
- Measurement requires standing on the Shoe Testing Plate and pressing the touch panel.

*Includes body resistance

Wrist Strap Testing

- Electrical resistance of wrist straps is measured and compared to preset limits.
- Set value for an upper resistance limit can be varied. (5M ohms, 10M ohms and 35M ohms). Lower resistance limit 650K ohms preset internally.
- LCD display indicates actual resistance measurement value.**
- LEDs on the tester indicate (Low, OK and High) test results.
- The measurement requires inserting ground cord plugs into a test jack and pressing the touch panel.

**Includes arm to wrist band contact resistance

External Output Functions

- RS-232C Serial Data Port provides resistance value and pass/fail test result information for computer data logging. Used with Data Logging Software 747DLS.
- Open collector output configuration provides High and Low signal levels for pass/fail test result indication. When used with an external relay door entries can be controlled.

Specifications

Typical Value

Power Supply	AA alkaline battery (1.5VDC x 6) or AC adapter (9VDC, center positive)
Size	7.7" H x 4.7" W x 1.89" D (196 mm x 120 mm x 48 mm)
Weight	1.2 lb (550 g without batteries)



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Designed to work with the Shoes and Wrist Strap Tester 747, the Data Logging Software 747DLS offers you a complete system of testing and recording results of your wrist straps and footwear. This complete system performs an accurate resistance measurement of either or both your wrist straps and footwear. Once completed, the results will then be automatically saved on a PC which allows efficient data storage and faster data retrieval. The software communicates via RS232 signal to a personal computer.

Features	Benefits
Electronic data logging	Eliminates manual logging thus provides highly reliable record
Identification card compatibility	Can be used with bar code or proximity card readers/identification cards
Incorporates a pilot lamp in monitoring	Identifies which testing stations are currently being used
Printable records	Hard copies can be kept for documentation

PC System Requirements

Check with 3M as PC system requirements and software compatibility may differ as new operating systems change.

Proximity Card Reader

Message Indicator

Start of Text - Single ASCII character

End of Text - CR

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