

Users manual
WRIST STRAP AND FOOTWEAR TESTER
(Model: WSFT-01)

The potential for damage caused by a static charge build-up on personnel involved in the handling of semiconductor devices. ESD wrist strap, heel strap, toe-strap and foot wears are most commonly used protective devices which prevent the build-up of electrostatic charge on personnel. The random failure of wrist strap or foot wears compromises the protection. Thus, it is important to test every wrist strap / footwear regularly.

The Model: WSFT-01, wrist strap & footwear tester is a precision instrument that check the specified limit of all types of wrist straps, foot wears and other similar personnel grounding devices under actual operating conditions with the strap on the wrist or foot wear on the foot. It clearly indicates whether LOW-FAIL or PASS or HIGH-FAIL the maximum wrist strap resistance should not be more than 10 M ohms and foot wears resistance should not be more than 100 M ohms. On the other end, the resistance should not be less than 0.75 M ohms as protection to the wearer from dangerous level of the voltage and current flow.

The instrument circuits is specially designed for the drift less readings (i.e., it displays only one result accurately) and it is very quick and convenient method to check personnel groundings.

FOR CHECKING WRIST STRAP: Connect the wrist strap jack to the instrument and with the strap on the wrist, change over the Switch to Wrist Strap range and press & hold the metal sensor on the instrument. The instrument will check whether the resistance of the wrist strap falls within the acceptable range (0.75 – 10 Meg ohms). This is indicated by the GREEN Led.

FOR CHECKING FOOTWEAR: Connect the foot plate jack to the instrument and keep one foot with footwear on the foot plate, change over the Switch to Footwear range and press & hold the metal sensor. The instrument will check whether the resistance of the footwear falls within the acceptable range (0.75 - 100 Meg ohms). This is indicated by the GREEN Led. Repeat the same with another foot.

SPEFIFICATIONS:

Range	: Wrist strap 0.75 to 10 Meg ohms Foot Wear 0.75 to 100 Meg ohms
Range Selection	: By Toggle Switch
Indications	: LOW-FAIL (Indicates Less than 0.75 Meg Ohms) PASS (Indicates 0.75 to 10/100 Meg ohms) HIGH-FAIL (indicates More than 10/100 Meg Ohms) (Audible Alarm for Fail modes)
Test actuation	: By Press & Hold the Metal sensor plate.
Accuracy	: +/- 10%
Power supply	: 9 Volt Battery
Battery Status	: By dual color LED (Red-Low Bat & Green-Ok).
Dimensions	: 135 x 70 x 25 mm
Weight	: 150 gms (with battery)
Calibration	: Recommended every 12 months
Warranty	: 12 Months
Accessories	: Carry Case.
Optional	: Foot Plate & User Instruction Board.

MAINTENANCE: Apart from routine battery replacement, this Wrist strap & Foot wear Tester is designed to be completely maintenance free. There are no parts inside which can be replaced by the user himself. In case of malfunction, kindly refer to manufacturer or his authorised personnel. The instrument can be cleaned with a damp cloth. Never use solvent as they may damage the plastic case.

DATA SHEET
WRIST STRAP & FOOTWEAR TESTER
(Model: WSFT-01)

The potential for damage caused by a static charge build-up on personnel involved in the handling of semiconductor devices. ESD wrist strap, heel strap, toe-strap and foot wears are most commonly used protective devices which prevent the build-up of electrostatic charge on personnel. The random failure of wrist strap or foot wears compromises the protection. Thus, it is important to test every wrist strap / footwear regularly.



The Model: WSFT-01, wrist strap & footwear tester is a precision instrument that checks the specified limit of all types of wrist straps, foot wears and other similar personnel grounding devices under actual operating conditions with the strap on the wrist or foot wear on the foot. It clearly indicates whether LOW-FAIL or PASS or HIGH-FAIL the maximum wrist strap resistance should not be more than 10 Meg ohms and foot wears resistance should not be more than 100 Meg ohms. On the other end, the resistance should not be less than 0.75 Meg ohms as protection to the wearer from dangerous level of the voltage and current flow.

The instrument circuit is specially designed for driftless readings (i.e., it displays only one result accurately) and it is a very quick and convenient method to check personnel groundings.

OPTIONAL: Customized resistance limits can be provided to meet special user requirements.

...continued

WSFT-01 SPECIFICATIONS:

Range	: Wrist strap 0.75 to 10 Meg ohms Foot Wear 0.75 to 100 Meg ohms
Range Selection	: By Toggle Switch
Indications	: LOW-FAIL (Indicates Less than 0.75 Meg Ohms) PASS (Indicates 0.75 to 10/100 Meg ohms) HIGH-FAIL (indicates More than 10/100 Meg Ohms) (Audible alarm for FAIL modes)
Test actuation	: By Press & Hold the Metal sensor plate.
Accuracy	: +/- 10%
Power supply	: 9 Volt Battery
Battery Status	: By dual color LED (Red-Low Bat & Green-Ok).
Dimensions	: 135 x 70 x 25 mm
Weight	: 150 gms (with battery)
Calibration	: Recommended every 12 months
Traceability	: To National Standards
Warranty	: 12 Months
Accessories	: Carry Case.
Optional	: Foot Plate, User Instruction Board.

The Optional USER INSTRUCTION BOARD can be wall mounted outside the ESD protected area and Foot wears can be tested by connecting the stainless steel FOOT PLATE.

