

User manual  
**COMBO TESTER**  
**(Model: CT-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 CT-01 is a friendly user, precession engineered combination tester, and it measures the electrical resistance of LEFT FOOT, RIGHT FOOT and WRIST STRAP individually under actual operating conditions. The tester reduces the testing time by half, and offers the operator a visual and audible measurement of PASS or FAIL of personnel groundings before entering the EPA.

The tester has special circuits for drift less readings (i.e., it displays only one result accurately). Moreover the tester works with 9V DC adopter or 9V Battery. So, no need of charging or replacing the battery frequently. 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, press & hold the metal sensor on the wrist strap tester. 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 FOOTWEARS:** Simply stand on the two stainless steel footprints with footwear on the foot plate, press & hold the metal sensor on the foot wear tester. The instrument will check individually in one test whether the resistance of the footwear's falls within the acceptable range of (0.75 – 100 Meg ohms). This is indicated by the Left & right foot GREEN led's.

**SPEFIFICATIONS:**

Range	: Wrist strap 0.75 to 10 Meg ohms Left footwear 0.75 to 100 Meg ohms Right footwear 0.75 to 100 Meg ohms
Indications	: Pass - GREEN LED Low & High fail - RED LED with Buzzer sound
Test actuation	: By press & hold the respective sensor plates
Accuracy	: +/- 10%
Power supply	: 9V DC Adopter or 9V Battery
Power supply status	: By Dual Color LED.
Dimensions in MM	: Instrument: 180 X 100 X 45, Foot plate: 485 x 380 & Height: 980 mm
Weight	: 5.75 Kg (with foot plate & stand)
Calibration	: Recommended every 12 months
Warranty	: 12 Months only for Instrument
Accessories	: 9V DC Adopter.

**MAINTENANCE:**

If the tester operated in battery, as soon as gets low replace it. Apart from this, the Combo 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 and foot plate can be cleaned with a damp cloth. Never use solvent as they may damage the instrument plastic case.

DATA SHEET  
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Front view of TESTER

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Dimensions	: 180 X 100 X 45 mm (Instrument size) 485 x 380 mm (Foot plate size) 980 mm (Height)
Weight	: 5.75 Kg (with foot plate)
Calibration	: Recommended every 12 months
Traceability	: To National Standards
Warranty	: 12 Months only for Instrument
Accessories	: 9V DC Adopter.

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

Note: The specifications mentioned in this datasheet are subject to change without prior notice due to our continuous research of product development, Buyer or User should decide the suitability of the product for the intended application.