



# TP TESTER

## ADJUSTABLE EARTH LEAKAGE TESTERS

The adjustable TP Tester is designed to simulate a controlled earth fault on systems where earth leakage relays are installed in mining, industrial and commercial applications.



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The adjustable TP Tester (400, 550 and 1000) is designed to simulate a controlled earth fault on systems where earth leakage relays are installed in mining, industrial and commercial applications.

The TP Testers cover the three typical voltage ranges found in the various industrial and mining sites, i.e. 220-400V, 400-550V and 1,000V.

The unit affords rapid testing of both instantaneous and time-delayed core balance earth leakage relays in use.

The TP Tester covers a wide range of tripping sensitivities as per industry standards.

## Why buy TP Tester

The TP Tester is designed, manufactured and supported in South Africa to meet the needs of our harsh climate.

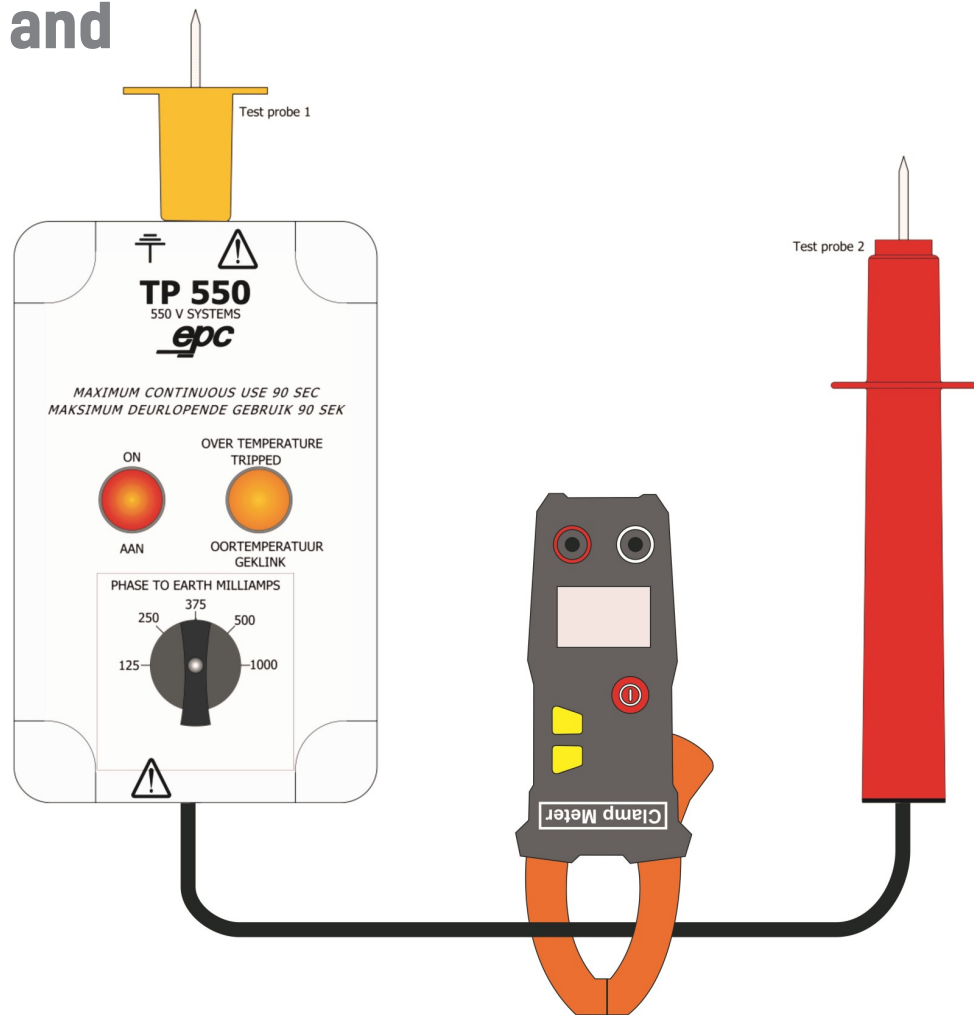
The TP Tester is affordable, simple to use, portable, light-weight, robust and has a compact design.

TP Tester is a hand held "live working" device used by qualified personnel to test earth leakage relays in use by bridging a live terminal to earth via a resistive circuit.

Excessive heat generated through extended periods of use will be controlled by a built in thermostat that will break/disconnect the internal circuit, thereby keeping the unit safe.



# Key features and functions



Two large diameter neon lamps, one for indicating when power is present on the test probes and one for when the thermostat has disconnected the internal circuit.

The TP Tester covers a wide range of medium-sensitivity earth relays from 125 mA to 1000 mA with an easy to use single range selection switch.

The over temperature cut-off switch (Thermostat) and indication light makes the unit extremely durable.

The TP Tester is connected between a live terminal on the load side of the earth leakage unit and the earth.

The milli-Ampere setting on the TP Tester is set to the same corresponding sensitivity of the relay being tested, thereby enabling the user to check the operation of the earth leakage relay.

Because the TP Tester is connected between phase and earth, the effectiveness of the earth-bonding in the system is checked as well. This is most important since, without the earth bond, the earth leakage relays cannot operate correctly.

If the earth leakage relay being tested only operates at a test setting above the normal rating, the earth bond resistance is too high (or possibly the earth leakage unit is faulty). Further investigations are required.



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