

SAFETCHECK PROFESSIONAL

PORTABLE APPLIANCE TESTER



Simple

Connect the appliance, select the appliance type, start the test. The result is Pass/Fail

Fast

All tests are completed in approximately 3.5 seconds

Accurate

All electrical thresholds are preset for the selected appliance

Thorough

All requirements of the standard are satisfied prior to passing an appliance

Safe

Ensures the safety of both the operator and appliance at all times

Additional benefits

- > Rugged, water and dust proof case with accessory compartment
- > An LCD display clearly indicates Pass/Fail and details of a fault
- > Has pre-programmed test parameters for specific appliances (e.g. mineral insulated metal sheath heaters, EPODS, etc)
- > Light weight (approximately 3kg)
- > Has several safety features to ensure operator safety from electric shock
- > The STC PRO is the only PAT tester to use a conductive bandage to ensure a thorough insulation resistance test and operator safety
- > Conducts a leakage current test (run test) to measure an appliance's leakage current (if mains power is required to operate the appliance's On/Off switch)
- > The STC PRO is now easily upgradeable as new enhancements become available

Is a pass really a pass?

The **SAFETCHECK PROFESSIONAL** is the only portable appliance tester to ensure fail safe test conditions for compliance with the latest **AS/NZS 3760 Standard**

The Trio **SAFETCHECK PROFESSIONAL (STC PRO)** has been designed and manufactured in Australia to test electrical appliances, ensuring they comply with the requirements of the current Australian and New Zealand standard **AS/NZS 3760** (In-service safety inspection and testing of electrical equipment). Testing Electrical Appliance Safety has never been as simple, fast, accurate, thorough and safe.

SAFETCHECK

PROFESSIONAL

Function and basic technical specification

The SAFETCHECK PROFESSIONAL (STC PRO) is an electrical Portable Appliance Tester (PAT). It is designed to easily verify that an appliance meets or exceeds the electrical safety requirements as described in the current Australian and New Zealand Standard (AS/NZS 3760).

The STC PRO tests Electrical Continuity, Insulation Resistance and Earth Integrity (where appropriate) against predetermined test thresholds for a selected appliance.

All tests are conducted sequentially. If any test should fail, the STC PRO will indicate a fail together with suggesting the most likely cause via the display.

The STC PRO is designed to be "Fail Safe", that is the tester will always indicate a failed test if any aspect of the test is incorrect with respect to the characteristics of the appliance under test.

Tests performed:

Mains Power Outlet Check

The mains power outlet supplying the STC is checked for the existence of an Earth and Active-Neutral transposition

(Class I) Earthed Appliances

- > Electrical continuity
<=100K Ohms
- > Earth continuity
<= 1.0 Ohm (test current @ 200mA)
- > Insulation resistance
>=1M Ohm (test voltage 250/500VDC selectable)

Note: If the appliance requires mains power to energise its On/Off switch, the STC PRO will perform a leakage current test (run test) to ensure leakage current is <=5mA

(Class II) Double Insulated Appliances

- > Connection test (exclusive to the STC PRO)
Ensures the conductive bandage is correctly in place to provide:
 - a return path for the leakage current during the insulation resistance and leakage tests (as specified in AS/NZS 3760) and

- ensures operator protection from electric shock
- > Electrical continuity
<=100K Ohm
- > Insulation resistance
>=1M Ohm (test voltage 250/500V DC selectable)

Note: If the appliance requires mains power to energise its On/Off switch, the STC PRO will perform a leakage current test (run test) to ensure leakage current is <=1mA

Extension leads

- > Electrical continuity test for resistance Active-Neutral
- > Earth continuity
<= 1.0 Ohm (test current @ 200mA)
- > Insulation resistance
>=1M Ohm (test voltage 500V DC)
- > Connection polarity
Tests transposition of Active-Neutral

Display / Indicators

- > LCD 128 x 64 pixels
 - Indicates Pass/Fail
 - Suggests possible fault conditions
 - Helpful user information
- > LED's – Red (Fail/Reset) and Green (Start/Ready)
- > Audible alarm

Power requirements

- > 240V +/-10% 50Hz.
(The mains power outlet supplying the STC is checked for both the existence of an Earth and Active-Neutral transposition)
- > The STC PRO can operate on 110VAC (Suitable for export)

Test Inlets

- > Flush mounted test plugs (Both IEC and standard 240V plugs – Protected from accidental application of 240V mains)
- > Separate run test socket for safety (Protects the user from a failed switched earth)

Operating instructions

The STC PRO is intuitive to operate together with on screen prompts and clearly labeled switches. Step by step instructions are also outlined in the instruction manual provided.



Mechanical

The STC PRO Case

- > Pelican Protector Case™
 - > Yellow (safety alert)
 - > Rugged, water tight & dust proof
 - > Stainless steel hinges
 - > Dimensions: 340mm x 295mm x 153mm
 - > Weight approx. 3kg
- Front panel / key pad
- > LEXAN insulated membrane
 - > Finish antiglare polyester
 - > Key operations > 1 million

Included Accessories

- > Instruction Manual
- > Mains power cord
- > Test lead for earthed appliances
- > Test lead for double insulated appliances
- > Conductive bandage
- > Calibration Certificate

Options

- > RCD tester; (for fixed & portable RCDs); and
- > operator selectable earth test currents (200mA continuity, 10A routine & 25A type tests).

TRIO Test & Measurement Solutions

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TRIO Test & Measurement Solutions is an accredited Quality Assured company

Designed and manufactured in Australia by TRIO Test & Measurement Solutions.
Note: We reserve the right to alter specifications at anytime without notice. Accuracy of measurements - 5%.

For further information contact your local distributor:

