

SAFETCHECK Pro Logger II

The continual evolution of the SAFETCHECK ensures the latest technology provides the user with features unique amongst Portable Appliance Testers



Class II checkCONNECT



Dual Test Plugs



Separate Run Test Socket



RCD/Ext. Lead Test



Other Appliance Menu



Data Logging



Mains Check

checkCONNECT*:

This unique feature ensures a correct connection every time; where other testers may incorrectly pass appliances

Dual Test Plugs*:

No extra adaptors required

Separate Run Test Socket*:

Provides three extra levels of operator safety

RCD/Ext. Lead Test (Option)*:

Combines an Extension Lead and RCD test in one

Other Appliance Menu:

Provides test parameters for many appliances that can't normally be tested

Mains Check

Ensures a safe correctly wired mains supply

Data Logging:

Fully integrated Data Logger provided with PC Interface Software at no extra cost

Designed and manufactured in Australia

QAM-0042 STC No. Logger II Rye (Revision 4.3) Issued 24 April 2009 / * Unique to the SAFETCHECK

**checkCONNECT
UNIQUE
TO THE
SAFETCHECK**



SAFE7CHECK

Pro Logger II

The **Pro Logger II** 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).

Simple Operation

Connect the appliance, select the appliance type, start the test. The result is Pass/Fail. Featuring **checkCONNECT**, unique to the **Pro Logger II**. Ensures that any Class II appliance is correctly connected to the PAT, resulting in a PASS or FAIL you can trust.

- All tests are completed in approximately 4 seconds.
- All electrical thresholds are preset for the selected appliance.
- All requirements of the standard are satisfied prior to passing an appliance.
- Ensures the safety of both the operator and appliance at all times.

Additional benefits

- The **Pro Logger II** is the only PAT tester to use a stainless steel cloak, incorporating the **checkCONNECT** feature 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). For safety, the **Pro Logger II** features 2 sockets.
- Data Logger stores up to 2000 records
- New stainless steel cloak is standard
- High current 10/25A earth tester (Option)
- RCD tester (tests RCD as ext. lead) (Option)
- 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
- Records and displays measured values for insulation resistance, earth resistance and leakage current

Function and basic technical specification

The **Pro Logger II** 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 **Pro Logger II** 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 **Pro Logger II** will indicate a fail together with suggesting the most likely cause via the display.

The **Pro Logger II** is designed to be "Fail Safe" with unique **checkCONNECT**, 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 $\leq 100K$ Ohms
- Earth continuity ≤ 1.0 Ohm (test current @ 200mA)
- Insulation resistance $\geq 1M$ Ohm (test voltage 250V/500VDC selectable)

Note: if the appliance requires mains power to energise its On/Off switch, the Pro Logger II will perform a leakage current test (run test) to ensure leakage current is $\leq 5mA$

(Class II) Double Insulated Appliances

- **checkCONNECT** (unique to the **Pro Logger II**) 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 $\leq 100K$ Ohm
- Insulation resistance $\geq 1M$ Ohm (test voltage 250V/500V DC selectable)

Note: if the appliance requires mains power to energise its On/Off switch, the STC Pro Logger II will perform a leakage current test (run test) to ensure leakage current is $\leq 1mA$

Extension leads

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

Run test (leakage current tests)

- Separate 15A Run Socket for user safety (no switched earth)
- 240V AC @ 15A for the duration of the test

Data logger

- Complete user control of Data Logging functions:
 - Logging can be switched on/off
 - Fields can be switched on/off
- Uses Keyboard and Scanner
- Actual Time & Date stored with each test record
- Stores 500, 1000 or 2000 records
- Records are easily uploaded to a PC
- Records are always appended to memory and to PC's data file
- Records measured values
- Frequency of Test recorded with next test date calculated

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)

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 **Pro Logger II** 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 **Pro Logger II** 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

- Downloader CD & Manuals
- Mains power cord
- Return lead and clamp
- Stainless steel cloak
- Calibration Certificate
- Computer Interface Cable

Options

- RCD Tester (10mA & 30mA Portable & Fixed RCDs c/w integrated Isolation Transformer)
- High Current Earth Tester (200mA continuity, 10A routine and 25A type tests)
- Scanner
- Keyboard
- Upgrade to 1000 or 2000 stored records (Default 500)
- Large stainless steel cloak
- Test tags
- Removable lid

Notes: TRIO reserves the right to change specifications at any time without notice. Tolerance on all stated values is $\pm 5\%$



SAFE7CHECK Pro Logger II



All accessories conveniently fit into the Pro Logger II's dust and water proof case.



Options & Accessories



Stainless Steel Cabinet 200x800mm
STCIN-CLKS or STCIN-CLK



Flexible Keyboard, Scanner & Memory Upgrade Options
STCCLKS, STCCLKS1000, STCCLKS2000,
STCCL1000 & STCCL2000



Downloader software CD and Manual
STCCL-CD



ICD Tester Option (comes with integrated isolation transformer)
STC PRO ICD



Test Tag & Accessories
ATT-Series



High Current Earth Tester Option
STC PRO IEE

checkCONNECT



This unique feature of the STC Pro Logger II ensures that any Class II appliance is correctly connected to the PAT. Without this feature, an incorrectly connected appliance will still indicate a PASS!

Can you be sure a PASS is a PASS?

Only with a Safe7check Pro Logger II

checkCONNECT

