

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 Pro Logger II Flyer (Revision 4.0) Issued 25 November 2008 / * Unique to the SAFETCHECK

Sold & Supported by



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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 250/500VDC 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 250/500V 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)
- Rechargeable, Internal Battery Supply (Battery Life > 7 hrs for Insulation Resistance tests only; under normal operating conditions)†
- 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 $\pm 5\%$



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Pro Logger II



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



Options & Accessories



Stainless Steel Cloak 300x600mm
STCIN-CLKS or STCIN-CLKL



Flexible Keyboard, Scanner & Memory Upgrade Options
STCDLKS, STCDLKS1000, STCDLKS2000,
STCDL1000 & STCDL2000



Downloader software CD and Manuals
STCDL-CD



RCD Tester Option (comes with Integrated isolation transformer) STCPRODLRCD



Test Tag & Accessories
ATT-Series



High Current Earth Tester Option
STCPRODLKB

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 **SafeTcheck Pro Logger II**

checkCONNECT



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Pro Logger II

Price List August 2008

STC Pro Logger II Packages (see note 1 & 2)

STCPRODLII	STC Pro Logger II	STC Pro Logger II (500 records) & Support
STCPRODLRCD	STC Pro Logger II RCD	STC Pro Logger II (500 records), RCD Tester & Isolation Transformer
STCPRODLEB	STC Pro Logger II EB	STC Pro Logger II (500 records), High Current Earth Tester & Support
STCPRODLRCD/EB	STC Pro Logger II RCD/EB	STC Pro Logger II (500 records), RCD, EB & Support

STC Pro Logger II Options

STCDLKS	Keyboard & Scanner	Keyboard & Scanner
STCDLKS1000	Keyboard, Scanner & Memory	Keyboard, Scanner & Memory Upgrade to 1023 records
STCDLKS2000	Keyboard, Scanner & Memory	Keyboard, Scanner & Memory Upgrade to 2048 records
STCDL1000	DL1000 Memory Upgrade	Memory Upgrade from 512 to 1023 Records
STCDL2000	DL2000 Memory Upgrade	Memory Upgrade from 512 to 2048 Records
STCDL-FLEXKB	Flexible Keyboard	Flexible Keyboard
STCBAR-SCAN-3	Barcode Scanner	CCD Scanner 1000K
STCDL-USB232	USB to RS232 Converter	USB to RS232 Converter for use with PC's without a serial port
STCIN-CLKS	Insulation Cloak Small	Stainless Steel Cloak 350x600mm
STCIN-CLKL	Insulation Cloak Large	Stainless Steel Cloak 350x900mm
STCIN-CLKL-UG	Insulation Cloak Large Upgrade	Upgrade to Large from the Standard 350x600mm cloak
STCTS	STC Training & Support	Initial instruction plus 6 months phone support
STCRL	Removable lid	Removable lid for the STC Pro Logger II's Case

Calibration and Repair

STCPROSC	Standard Calibration	Standard Calibration for STC Professional
STCPRODL-RCDSC	Standard Calibration	Standard Calibration for STC Professional with RCD Option
STCPRODL-EBSC	Standard Calibration	Standard Calibration for STC Professional with EB Option
STCPRODL-RCD/EBSC	Standard Calibration	Standard Calibration for STC Professional with RCD & EB Option
STCMKDSC	Standard Calibration	Standard Calibration for STC MKD
STCPRONC	NATA Calibration	NATA Calibration Report
STCPRORPAIR	STC Repair	Repairs to all STC Models

Note:

1. All STC Professional Packages will have the small SS Cloak as standard (in place of the "Bandage")
2. Keyboard and Scanner are options
3. * Denotes colour 'R' = red, 'B' = blue, 'Y' = yellow, 'G' = green, 'O' = orange, etc

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Electronic Logbook for Non Logging Appliance Testers

INS-95	Inspect Software	Single user Licence for Electronic Logbook
INS-95-N	Inspect Software (Network Version)	Additional network user licences for Inspect
INS-95-UG	Inspect Software	Program upgrade for previous versions
1000-R-USB	USB Scanner	USB Scanner for use with Inspect

Associated Products

ATT-SL-*	Appliance Test Tags (see note 3)	100 tags per pack with pen (your logo included free with 1000 tags)
ATT-SL-C	Appliance Test Tags with Barcode	100 tags per pack (MOQ 10 packs), No mixed colours
ATT-BCL	Barcode Item Stickers	1000 tags per pack with consecutive numbers
ATT-BCL-WA2	Barcode Wrap Around Stickers	1000 stickers per pack with consecutive numbers
ATT-TL	Tested Label	100 labels per pack
ATT-UIT	Unsafe Item Tag	100 tags per pack
LOGBOOK	Logbook	Manual Entry Logbook
TRIOLCB	Low Cost Appliance Tester	TRIO-LCB Portable Appliance Tester
165x	Fluke 1650 Series	Fluke 1650 Multi-function Testers
5402D	Kyoritsu 5402D	Kyoritsu RCD Tester
3132A	Kyoritsu 3132A	Kyoritsu Insulation Tester (250V, 500V & 1000V)
28408	Isolation Transformer	Isolation Transformer for non-integrated portable RCD testers

Spares

STCDLRL	Return Lead with Alligator Clip	Dual Class I & II Test Lead & Clip
STCDL-CDII	STC PRO-CD Series II	STC Pro Logger II Downloader & Manuals CD
STCDLUSB2	USB Cable	USB 2.0 AB-BM Cable

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