SAFE*T*CHECK
Pro Logger II

The continual evolution of the SAFE*T*CHECK ensures the latest technology provides the user with features unique amongst Portable Appliance Testers

check**C⚡NNECT**
UNIQUE
TO THE
SAFE*T*CHECK

Class II check C⚡NNECT

Dual Test Plugs

Separate Run Test Socket

RCD/Ext. Lead Test

Other Appliance Menu

Data Logging

Mains Check

check C⚡NNECT*:
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 5.1) Issued 12th August 2011 * Unique to the SAFE*T*CHECK

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 **check**C**O**NNECT , 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 **check**C**O**NNECT 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 **check**C**O**NNECT , 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 **Pro Logger II** will perform a leakage current test (run test) to ensure leakage current is <=5mA*

(Class II) Double Insulated Appliances

- **check**C**O**NNECT *(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
- ***Probe Test*** is available as an alternative to **check**C**O**NNECT
  - A longer test time allows more points on the appliance to be tested for faults
- 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 Logger II will perform a leakage current test (run test) to ensure leakage current is <=1mA*

Extension leads (2 wire included)

- 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

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
- Option: FASTtag software stores results & prints tags in real time

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

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)
- 3 Phase appliance (20A, 32A or both) Run Test Option
- Scanner
- Keyboard
- Upgrade to 1000 or 2000 stored records (Default 500)
- FASTtag Software/Tag Printer
- 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 ± 5%*

TRIO Smartcal

SAFE*T*CHECK
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
STCPRODLEB

checkC**O**NNECT

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 inidicate a PASS!

Can you be sure a PASS is a PASS?

Only with a *Safe**T**check Pro Logger II*

checkC**O**NNECT

Price List February 2011

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

STCPRODLII	STC Pro Logger II	STC Pro Logger II (500 records) & Support	$1,995
STCPRODLRCD	STC Pro Logger II RCD	STC Pro Logger II (500 records), RCD Tester & Isolation Transformer	$2,395
STCPRODLEB	STC Pro Logger II EB	STC Pro Logger II (500 records), High Current Earth Tester & Support	$2,395
STCPRODLRCDEB	STC Pro Logger II RCD/EB	STC Pro Logger II (500 records), RCD, EB & Support	$2,795

STC Pro Logger II Options

STCPRODL3PH20	3 Phase Leakage Tester Option	3 Phase Leakage Tester 20A socket	$1150
STCPRODL3PH32	3 Phase Leakage Tester Option	3 Phase Leakage Tester 32A socket	$1250
STCPRODL3PH20/32	3 Phase Leakage Tester Option	3 Phase Leakage Tester 20/32A sockets	$1495
STCDLKS	Keyboard & Scanner	Keyboard & Scanner	$295
STCDLKS2000	Keyboard, Scanner & Memory	Keyboard, Scanner & Memory Upgrade to 2048 records	$385
STCDL2000	DL2000 Memory Upgrade only	Memory Upgrade from 512 to 2048 Records	$165
STCDL-FLEXKB	Flexible Keyboard	Flexible qwerty Keyboard	$40
STCBAR-SCAN-3	Barcode Scanner	CCD Scanner 1000K (for use with the Pro Logger II) c/w keyboard wedge	$270
STCDL-USB232	USB to RS232 Converter	USB to RS232 Converter for use with PC's without a serial port	$40
STCIN-CLKS	Insulation Cloak Small	Stainless Steel Cloak 350x600mm	$165
STCIN-CLKL	Insulation Cloak Large	Stainless Steel Cloak 350x900mm	$220
STCIN-CLKL-UG	Insulation Cloak Large Upgrade	Upgrade to Large from the Standard 350x600mm cloak	$105
STCRL	Removable lid	Removable lid for the STC Pro Logger II's Case	$25

Calibration and Repair

STCPROSC	Standard Calibration	Standard Calibration for STC Pro Logger II	$285
STCPRODL-RCDSC	Standard Calibration	Standard Calibration for STC Pro Logger II with RCD Option	$285
STCPRODL-EBSC	Standard Calibration	Standard Calibration for STC Pro Logger II with EB Option	$285
STCPRODL-RCDEBSC	Standard Calibration	Standard Calibration for STC Pro Logger II with RCD & EB Option	$295
STCMKDSC	Standard Calibration	Standard Calibration for STC MKD	** $165
STCPRONC	NATA Calibration	NATA Calibration Report	Quote
STCPROREPAIR	STC Repair	Repairs to all STC Models	Quote

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
4. All prices are exclusive of GST
5. Freight is FOB Thebarton SA
6. TRIO Smartcal reserves the right to change prices at any time without notice.
7. ** Calibration prices from $165 (dependant on age)

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FASTtag Asset Management Software/Hardware

FASTtagBE	FASTtag Software	Single user licence for basic FASTtag Software	$295
FASTtagTT	TRIO/FASTtag Interface module	Interface for direct connection from FASTtag to the Pro Logger II	$295
FASTtagBETTPB	TRIO/FASTtag Printer Bundle	Complete FASTtag Bundle with Pro Logger & Printer Interface	$885
FIRMWAREUPG	Firmware Upgrade of Pro Logger II	Upgrade Firmware to V4.65 or above & Enable FASTtag I/F $40 + Cal. or	$135
STCBAR-SCAN-4	USB Scanner	USB Scanner for use with PC & FASTtag	$195
TPL2824PLUS	USB Tag Printer	USB Tag Printer - prints tags direct from FASTtag in real time	$680
TLP-2824PLUSLABLE	Roll of lables for tag printer	Lables - 500 per roll White or Colours	$59
TLP-2828PLUSRIBBON	Ribbon for tag printer	Ribbon for tag printer	$35

Associated Products

CLAX Cart	Collapsible Trolley	CLAX Cart Collapsible Trolley	$395
SLTT-*	Appliance Test Tags (see note 3)	100 tags per pack with pen (your logo included free with 1000 tags)	$34
SLTT-C	Appliance Test Tags with Barcode	100 tags per pack (MOQ 10 packs), No mixed colours	$42
ATT-BCL	Barcode Item Stickers	1000 tags per pack with consecutive numbers	$190
ATT-BCL-WA2	Barcode Wrap Around Stickers	1000 stickers per pack with consecutive numbers	$215
ATT-TL	Tested Label	100 labels per pack	$22
ATT-UIT	Unsafe Item Tag	100 tags per pack	$31
LOGBOOK	Logbook	Manual Entry Logbook	$20
TRIOLCB	Low Cost Appliance Tester	TRIO-LCB Portable Appliance Tester	$832
380320	Extech 380320	Extech 380320 Insulation Tester	$309

Spares

STCDLRLII	Return Lead with Earth Clip	Dual Class I & II Test Lead & Earth Clip	$75
STCDL-CDII	STCPRO-CD Series II	STC Pro Logger II DownLoader & Manuals CD	$35
STCDLUSB2	USB Cable	USB 2.0 AB-BM Cable	$15

CLAX Cart Collapsible Trolley
CLAX Cart

Manual Entry Logbook
LOGBOOK

Extech 380320 Insulation Tester
380320

Ideal 61-797 Insulation Tester
61-797

Ideal 61-452 Leakage Clamp
61-452

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