

# 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

checkCONNECT  
UNIQUE  
TO THE  
SAFETCHECK

Designed and manufactured in Australia

QAM-0042 STC Pro Logger II Flyer (Revision 4.0) Issued 25 November 2008 / \* Unique to the SAFETCHECK

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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 **checkC<sup>o</sup>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 **checkC<sup>o</sup>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 **checkC<sup>o</sup>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  $\leq 100K$  Ohms
- Earth continuity  $\leq 1.0$  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

- **checkC<sup>o</sup>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

- 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  $\leq 1.0$  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  $\pm 5\%$



# SAFETCHECK 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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## Pro Logger II

### Price List August 2008

#### 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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