

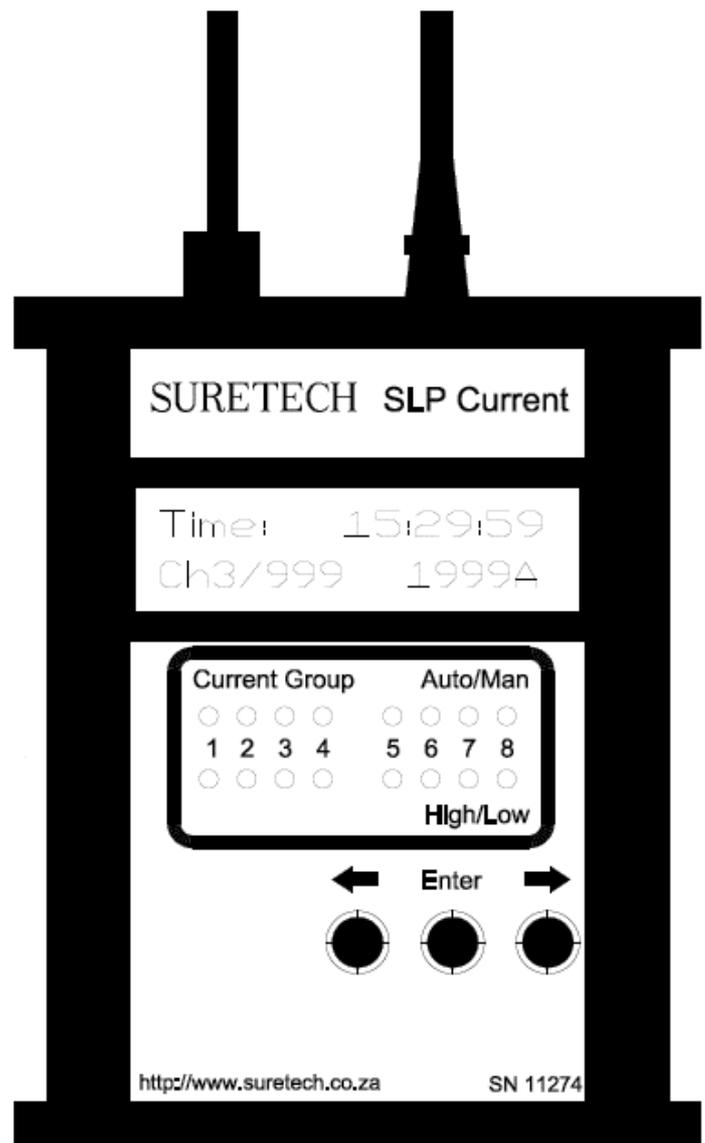
## SURETECH SLP Current L1R/P

The SURETECH SLP L1R/P (Smart Load Processor) for current measurements, LOGs current using ROGOWSKI technology sensor to measure high currents to thousands of amps. The SLP L1R/P is oriented to portable applications, where electrical field personnel need to measure and capture electrical loads from a variety of sources. The SLP Current L1R/P is orientated to manual sampling, semi-permanent or permanent installations, of current in factories, sub-stations and plant. L1R/P uses Rogowski coil sensor for high current AC sampling (200 / 2000A FSD), with accuracy of better than 1%. Rogowski coil diameters available: 75, 150 and 300mm. For lower currents to be measured from CT secondaries, the SURETECH CT-Pod can be used. The SLP Current L1R/P replaces a clip-on ammeter by extending the high current range into thousands of Amps AC, while also facilitating low current measurements to be made using SURETECH split core CT-Pods for 1Amp and 5Amp CT secondaries.

The SLP-current can be ordered with or without a built-in data logger, and provides the user with a 1Mbyte Data Flash memory. Up to eight groups of samples can be defined eg. A user can assign groups 1, 2 and 3 to RED, WHITE and BLUE incomers; and the rest of the groups (4 to 8) to various feeders in that sub-station. Logging to Data Flash memory then makes post-processing easier to manage, as the group channel number is logged. Data is imported into Excel spreadsheets, and easily manipulated by the user. Field logging is controlled by 3 pushbuttons, with menu based system controlling groups, measurements, RTC (Real Time Clock), memory etc.

### General Features:

- ✓ Current sensing is by means of SURETECH sensors such as
  - ✓ Rogowski current sensors for very high currents, both split core and fixed core
  - ✓ Miniature (7mm diam wire) split-core CT-Pod for ultra fast installations, requiring NO-BREAK in existing CT wiring, and up to 50Amps using split core GOSS cores
  - ✓ Hall Effect current sensors for DC and AC are also available
- ✓ To the right is shown the RS232 data cable on top-left, and BNC connector of Rogowski sensor on top-right entering
- ✓ RS232 interface provides user with easy connection to Windows Hyperterminal for “no-cost” software interface, for output directly into Excel spreadsheets
- ✓ Auxiliary Power Supply options available, and the user should specify which is required:
  - ✓ Battery is either 9V alkaline, or 9Vdc NiCad rechargeable (charger can be provided if requested)
- ✓ Transient suppression on inputs and outputs, and galvanically isolated
- ✓ Dimensions: 110mm wide, 140mm high
- ✓ Backup to provide support for design, application, installation, and maintenance information

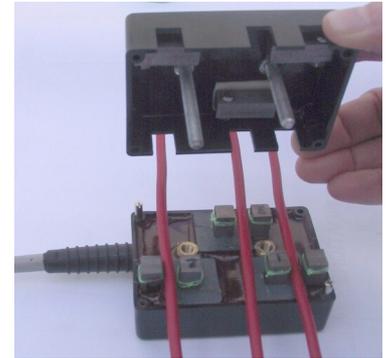
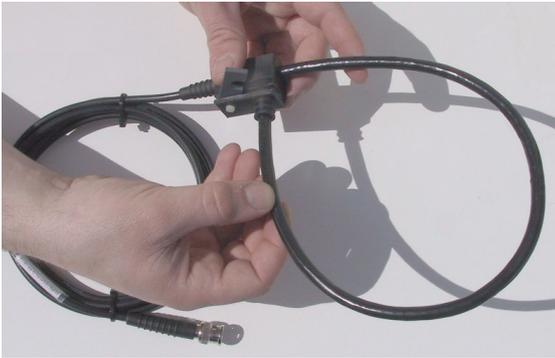


## Current processing options (available on enquiry):

- ✓ L1R/P means:
  - ✓ L : Logging to non-volatile Data Flash Memory.
  - ✓ 1 : Single channel current measuring channel
  - ✓ R : Rogowski sensor specified (standard FSD is 200 and 2000Amps, higher is available)
  - ✓ P : CT-Pod sensor specified, 1, 5, or 50Amp FSD
- ✓ Data Flash memory 1Mbyte available as built-in data logger
- ✓ RS232 output is available for logging directly to a PC with one second updates, and also for downloading logged information from Data Flash memory

## Current sensor options available:

- ✓ The unique SURETECH CT-Pod is a three phase, split core Current Transformer that can measure 5A CT secondaries directly without breaking into the protection or metering wiring of a sub-station; the CT-Pod can also measure up to 100A directly. This split-core CT-Pod results in the fastest, and most flexible installation
- ✓ SURETECH Split core GOSS (Grain Oriented Silicon Steel) cores are available for various currents and cable diameters; please specify your needs
- ✓ SURETECH Rogowski split-core flexible current sensors are available for direct input
- ✓ SURETECH Hall Effect Current sensors are also available for direct input
- ✓ See our website, or enquire for the current sensor to meet your needs



## Enclosures and packaging:

- ✓ SLP enclosures can be user specified to be either Aluminium, or PVC (useful for portable applications)
- ✓ Carrying cases can be specified to carry the SLP-current as well as the SURETECH sensor specified for portable applications
- ✓ Carrying cases are either Aluminium, which are more bulky but robust, or woven nylon pouches for more compact but less robust; user to specify



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