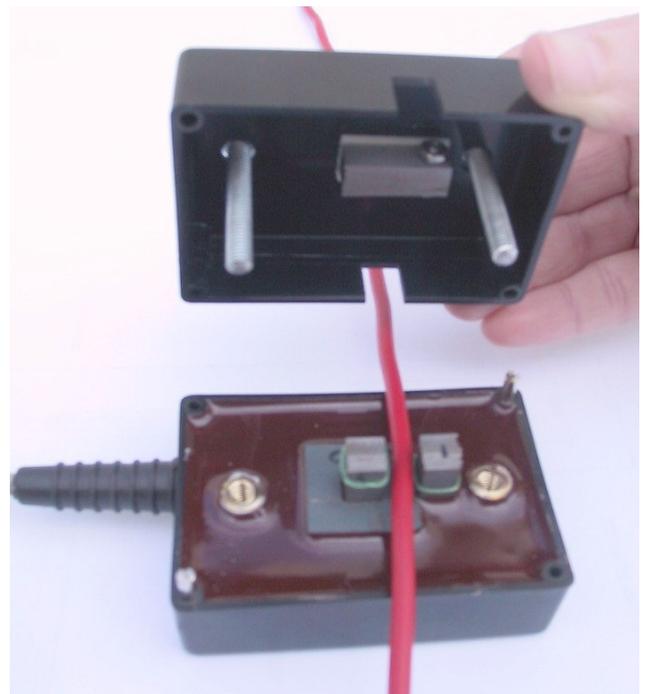
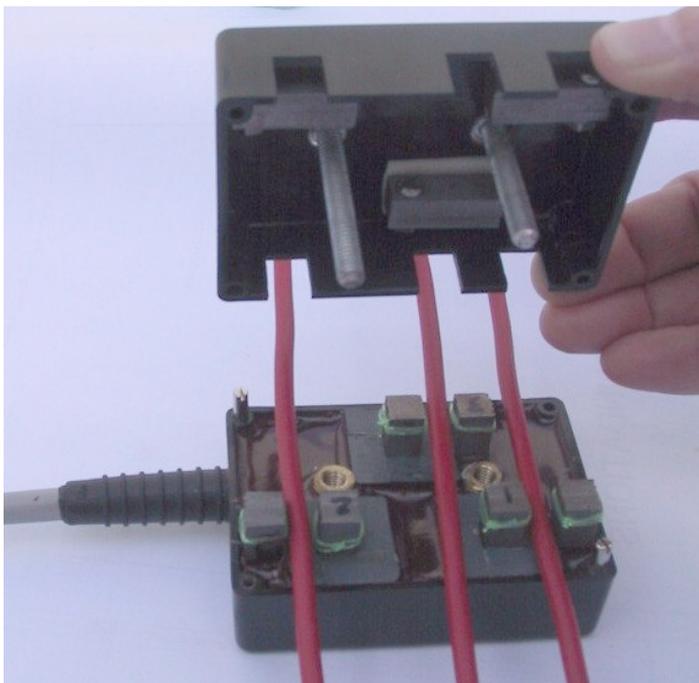
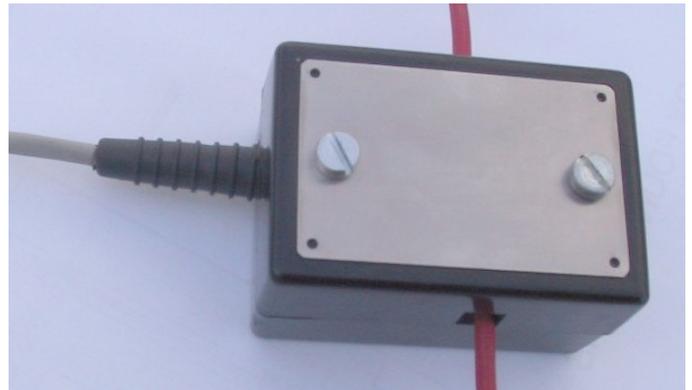
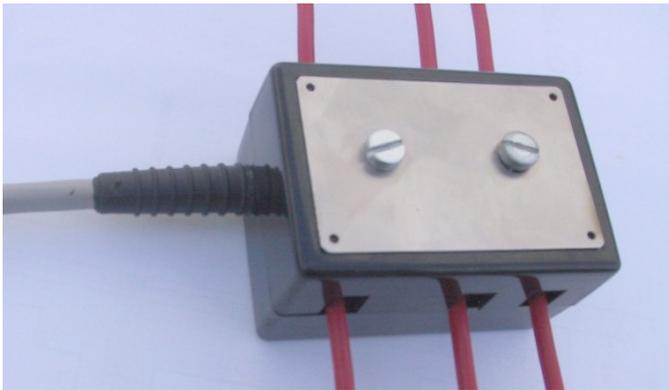


## SURETECH

### Split Core Current Transformer Pod

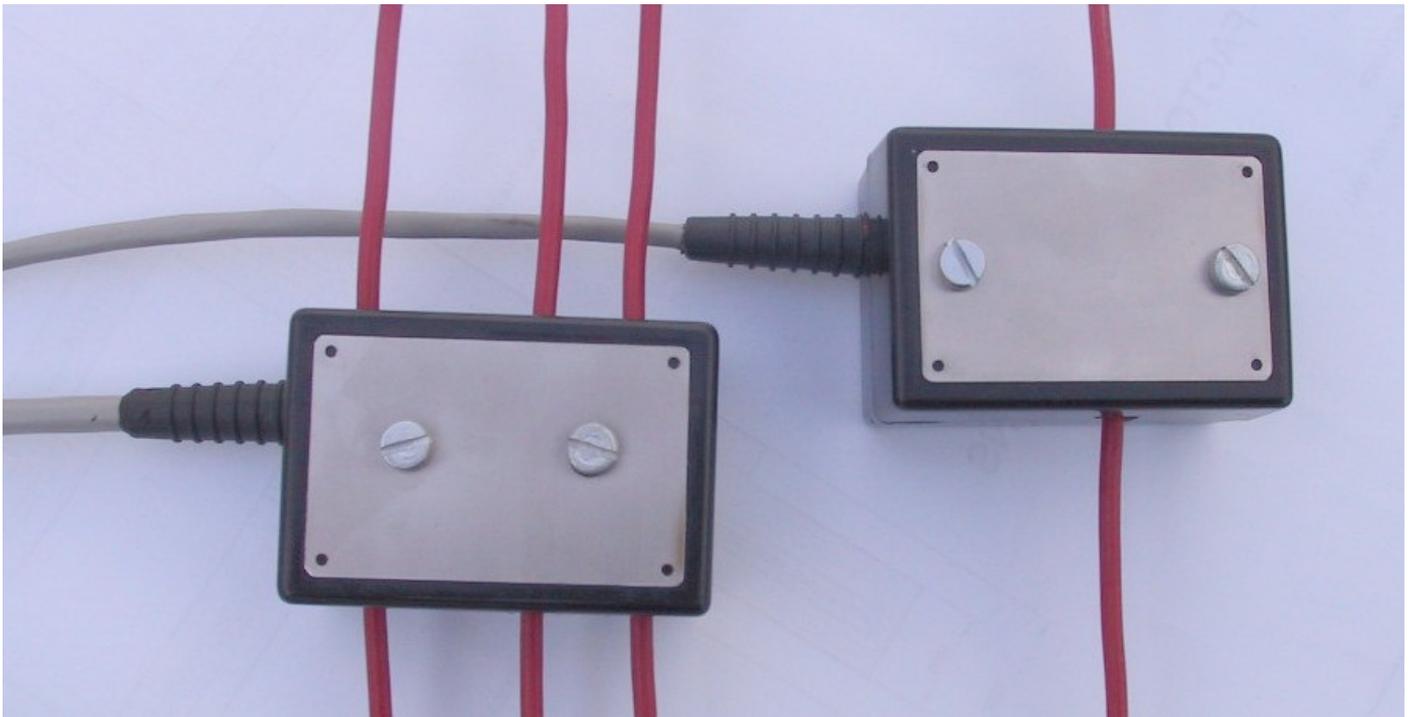
3phase and single-phase current sensor up to 150Amps ac

- ✓ SURETECH CT-Pod split core current transformers can be used in a wide range of 50/60Hz current measurement applications up to 150Amps AC
- ✓ SURETECH CT-Pod can be used to measure current in external CT wires without breaking into the CT wiring, which is extremely useful for using existing protection CT wiring
- ✓ The CT-Pod plugs directly into various current processing instruments such as transducers giving 4-20mA out, or SURETECH SLP (Smart Load Processor)
- ✓ SLPs are used for Analog to Digital sampling and further processing with other signals such as voltage, phase angle etc., where power (real, apparent and reactive) can be extracted
- ✓ Accuracy 0.5%, when fed into SURETECH SLPs
- ✓ SURETECH CT-Pod sensors have been value engineered to be cost effective, easy to deploy for either temporary or permanent current measurement applications
- ✓ SURETECH CT-Pod takes insulated wiring up to 7mm outside diameter; for thinner wire carrying low currents, the wire could be looped through the CT-Pod a number of times to increase the transformer ratio
- ✓ SURETECH CT-Pods for 3phase or single phase shown here, are mounted in very tough black polycarbonate enclosure, are potted in resin, with dimensions 72mm x 50mm x 40mm, results in extremely rugged device



## CT-Pod General Features:

- ✓ Moulded in solid resin for ruggedness, reliability, long life, stability and easy application
- ✓ Brass inserts with M5 screws for positive clamping of box lid and cores
- ✓ Magnetic material is GOSS (Grain Oriented Silicone Steel) for the best accuracy
- ✓ Machined core faces to ensure good mating of the split core resulting in good accuracy
- ✓ Guide pins ensures accurate alignment, and hence electrical accuracy
- ✓ Rubberised strain relief
- ✓ D-type sub-min 9 pin connector plugs directly into SLP for simple interface
- ✓ Standard cable tail length: 500mm (other lengths available on request)
- ✓ Black polycarbonate enclosure 72mm x 50mm x 40mm
- ✓ NON Split-core CT version is available and is more accurate, but requires threading of wire through the hole
- ✓ Insulation is provided by user's wire
- ✓ Mounting options available on enquiry
- ✓ Single phase CT-POD sensors can be supplied with built-in signal processing or stand alone
- ✓ Galvanic isolation from source
- ✓ Patents pending



### **SURE Engineering CC**

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