



**SCCT**

# SPLIT CORE CURRENT TRANSFORMER

Cost Effective | Compact Design | Easy to Install

Split-core current transformers are designed to meet the growing demand for installations into existing electrical networks. The Split-core allows installation without disconnecting cables or bus-bar circuits and hence ideal for retrofitting. They are used for electrical load surveys, energy management systems, sub-metering etc., in conjunction with kilowatt-hour, demand, power factor meters; current transducers or sensing relays.

## Features :

- Nominal Rating ranges from 5A to 1500A
- Accuracy  $\pm 1\%$  from 10% to 130% of full scale range
- Frequency Range of 50 Hz to 400 Hz
- Shrouded core blades for protection during installation
- Snap closing/opening feature
- Meet CE & ETL C57.13

## Applications:

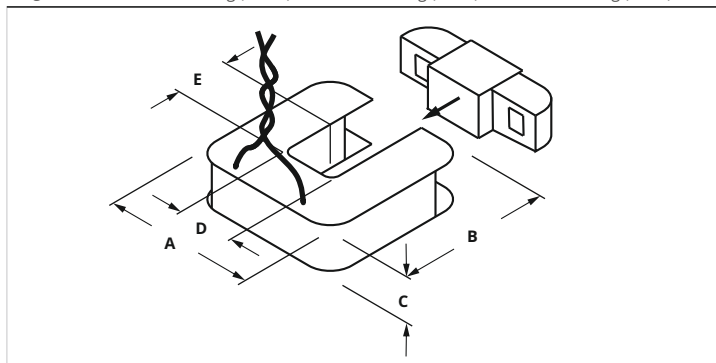
- Energy Management, Data logging, Recording,
- Power & Energy Monitoring, Cost allocation

## Technical Data :

|                                       | ELSC 0750  | ELSC 1250  | ELSC 2000  |
|---------------------------------------|--|--|--|
| <b>Electrical</b>                     |  |  |  |
| Nominal Rating                        | 5 - 150 Amps   | 10 - 600 Amps  | 600 - 1500 Amps                                      |
| Accuracy                              | $\pm 1\%$ for 10% to 130% of full scale range        | $\pm 1\%$ for 10% to 130% of full scale range        | $\pm 1\%$ for 10% to 130% of full scale range        |
| Phase Shift at Rated current 50/60 Hz | $< 2^\circ$  | $< 2^\circ$  | $< 2^\circ$  |
| Frequency Range                       | 50 Hz to 400 Hz                                      | 50 Hz to 400 Hz                                      | 50 Hz to 400 Hz                                      |
| Useful Current Range                  | 10% to 130% of Rated Current                         | 10% to 130% of Rated Current                         | 10% to 130% of Rated Current                         |
| Working Voltage                       | Maximum 600 Vrms                                     | Maximum 600 Vrms                                     | Maximum 600 Vrms                                     |
| Output Signal at rated current        | 333mV (Default)<br>1000mV (Optional)                 | 333mV (Default)<br>1000mV (Optional)                 | 333mV (Default)<br>1000mV (Optional)                 |
| Polarity                              | White lead is positive                               | White lead is positive                               | White lead is positive                               |
| Output Lead                           | 2.5 m twisted pair (22AWG, terminated with ferrules) | 2.5 m twisted pair (22AWG, terminated with ferrules) | 2.5 m twisted pair (22AWG, terminated with ferrules) |

## Mechanical Specification

|                |  |  |  |
|----------------|--|--|--|
| Window size    | 1.9 cm (.75")                            | 3.2 cm (1.25")                           | 5.1 cm (2.0")                              |
| Dimensions     | 5.1 x 5.3 x 1.6 cm<br>(2.0 x 2.1 x 0.6") | 8.3 x 8.6 x 2.5 cm<br>(3.3 x 3.4 x 1.0") | 12.1 x 12.7 x 3.0 cm<br>(4.8 x 5.0 x 1.2") |
| Operating Temp | -10 to 50 °C<br>(14 to 120 °F)           | -10 to 50 °C<br>(14 to 120 °F)           | -10 to 50 °C<br>(14 to 120 °F)             |
| Weight         | 136 g (4.8 oz)                           | 340 g (12 oz)                            | 748 g (26 oz)                              |



|   |            |           |           |
|---|------------|-----------|-----------|
| A | 2.00 inch  | 3.25 inch | 4.75 inch |
| B | 2.10 inch  | 3.35 inch | 5.00 inch |
| C | 0.610 inch | 1.00 inch | 1.20 inch |
| D | 0.75 inch  | 1.25 inch | 2.00 inch |
| E | 0.75 inch  | 1.25 inch | 2.00 inch |