



# YHDC SCT013 Split Core Current Transformer Instructions

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**YHDC SCT013 Split Core Current Transformer**



## Product features

- Safety lock buckle Simple installation
- Audio connector output
- Lead type output The length can be customized
- Suspended mounting

## Product application

- Portable instrument
- Household metering
- Monitoring the load of the machine

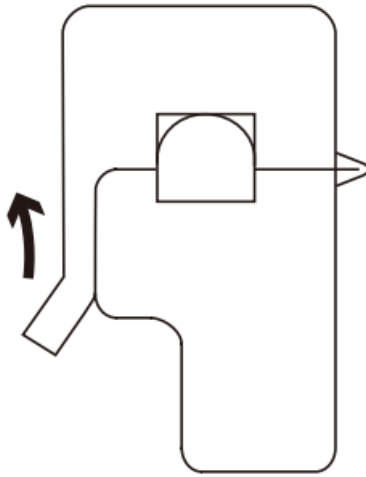
## Product advantage

- Small volume Light weight
- Low cost
- High turns High precision

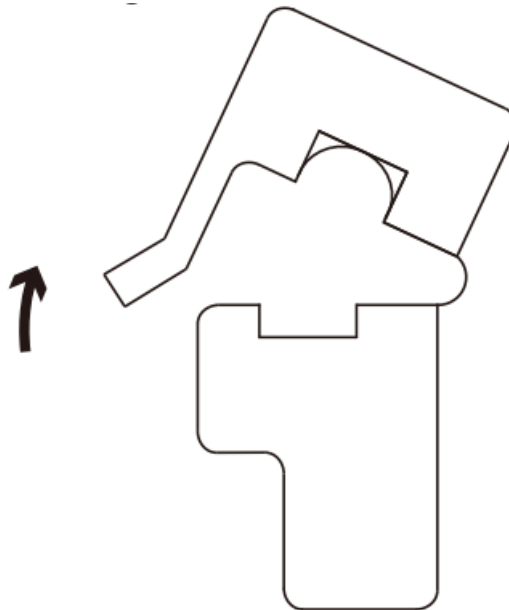
## Installation diagram

### One time threading

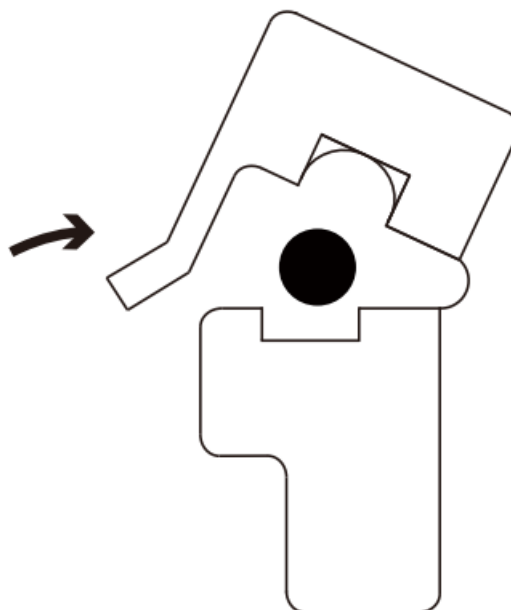
1. Open the buckle



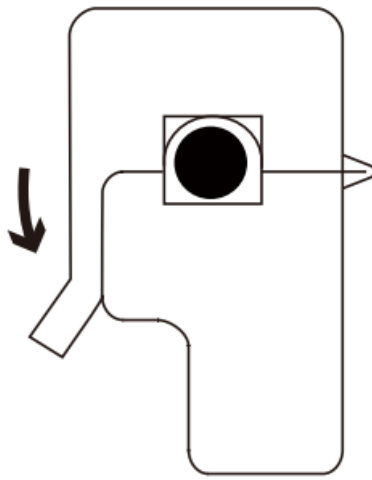
2. Open the buckle



3. Drop lead



4. Fasten the buckle



## Typical technical index

- **Core material**—— ferrite
- **Working voltage**—— Phase voltage $\leq$ 720V
- **Working temperature**—— 25°C +60°C
- **Storage temperature**—— 30°C +90°C
- **Frequency range**—— 50Hz 1KHz
- Electrical resistance
  - input Bare conductor
  - output AC 800V/1min 5mA 50Hz
  - output /Outer shell AC 3.5KV/1min 5mA 50Hz

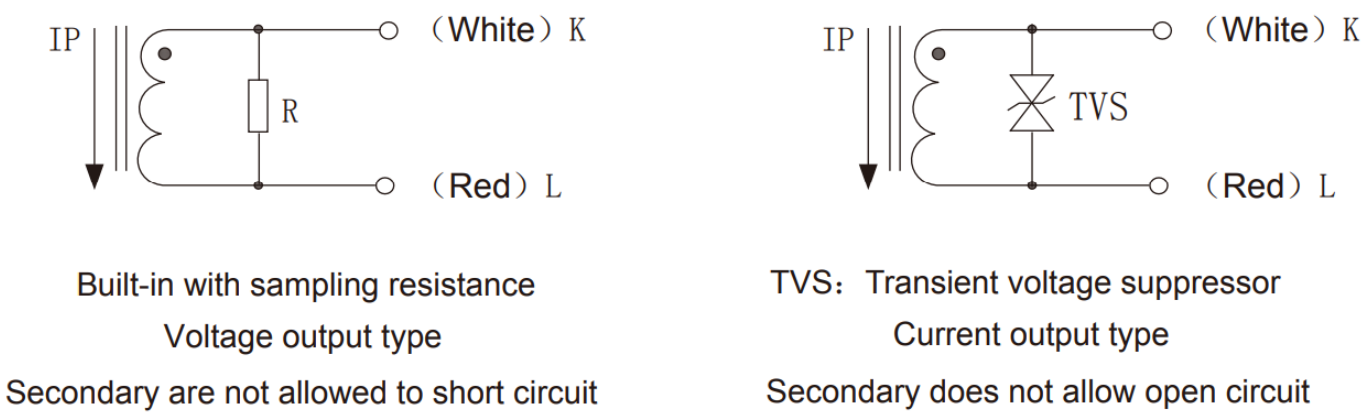
## Electrical parameters

| Model      | Input current | out<br>put | Turns      | Load<br>resista<br>nce | Acc<br>ura<br>cy | linea<br>rity | weig<br>ht |
|------------|---------------|------------|------------|------------------------|------------------|---------------|------------|
| SCT013-000 | 100A          | 50<br>mA   | 1 200<br>0 | 10 $\Omega$            | 1%               | 1%            | 50g        |
| SCT013-005 | 5A            | 1V         | —          | built-in               | 1%               | 1%            | 50g        |
| SCT013-010 | 10A           | 1V         | —          | built-in               | 1%               | 1%            | 50g        |
| SCT013-015 | 15A           | 1V         | —          | built-in               | 1%               | 1%            | 50g        |
| SCT013-020 | 20A           | 1V         | —          | built-in               | 1%               | 1%            | 50g        |

|            |               |        |       |                 |          |           |        |
|------------|---------------|--------|-------|-----------------|----------|-----------|--------|
| SCT013-025 | 25A           | 1V     | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013-030 | 30A           | 1V     | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013-050 | 50A           | 1V     | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013-060 | 60A           | 1V     | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013-100 | 100A          | 1V     | –     | built-in        | 1%       | 1%        | 50g    |
|            |               |        |       |                 |          |           |        |
| Model      | Input current | output | Turns | Load resistance | Accuracy | linearity | weight |
| SCT013     | 5A            | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013     | 10A           | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013     | 15A           | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013     | 20A           | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013     | 25A           | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013     | 30A           | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013     | 50A           | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |
| SCT013     | 60A           | 0.333V | –     | built-in        | 1%       | 1%        | 50g    |

|            |      |        |   |          |    |    |     |
|------------|------|--------|---|----------|----|----|-----|
| SCT01<br>3 | 100A | 0.333V | — | built-in | 1% | 1% | 50g |
|------------|------|--------|---|----------|----|----|-----|

**Wiring schematic diagram**



**Dimensions in mm**

