

# FWCT-05 Micro Precision Current Transformer for KWH Meters



## TECHNICAL INFORMATION

| Commodity      | Specifications | Primary current | Secondary current | Overload multiple | Linearity             |                         | (Ω) Load |
|----------------|----------------|-----------------|-------------------|-------------------|-----------------------|-------------------------|----------|
|                |                |                 |                   |                   | (±%) Ratio difference | (±%) Phase displacement |          |
| CTs            | 10(40)A/10mA   | 10              | 10                | 4                 | <0.1                  | ≤5                      | <20      |
|                | 10(60)A/10mA   | 10              | 10                | 6                 | <0.1                  | ≤5                      | <20      |
|                | 10(60)A/4mA    | 10              | 4                 | 6                 | <0.1                  | ≤5                      | <20      |
|                | 10(60)A/4mA    | 10              | 4                 | 6                 | <0.1                  | ≤5                      | <20      |
|                | 5(60)A/2.5mA   | 5               | 2.5               | 12                | <0.1                  | ≤5                      | <20      |
|                | 5(60)A/2mA     | 5               | 2                 | 12                | <0.1                  | ≤5                      | <20      |
|                | 5(80)A/5mA     | 5               | 5                 | 16                | <0.1                  | ≤5                      | <20      |
|                | 20(100)A/20mA  | 20              | 20                | 5                 | <0.1                  | ≤5                      | <20      |
|                | 5(40)A/5mA     | 5               | 5                 | 8                 | <0.1                  | ≤5                      | <20      |
|                | 15(60)A/10mA   | 15              | 10                | 4                 | <0.1                  | ≤5                      | <20      |
|                | 5(30)A/5mA     | 5               | 5                 | 6                 | <0.1                  | ≤5                      | <20      |
|                | 20(80)A/10mA   | 20              | 10                | 4                 | <0.1                  | ≤5                      | <20      |
|                | 10(100)A/10mA  | 10              | 10                | 10                | <0.1                  | ≤5                      | <20      |
|                | 5(20)A/5mA     | 5               | 5                 | 4                 | <0.1                  | ≤5                      | <20      |
| The Triple CTs | 0.3(1.2)A/5mA  | 0.3             | 5                 | 4                 | <0.1                  | ≤5                      | <20      |
|                | 0.5(2)A/5mA    | 0.5             | 5                 | 4                 | <0.1                  | ≤5                      | <20      |
|                | 1(4)A/5mA      | 1               | 5                 | 4                 | <0.1                  | ≤5                      | <20      |
|                | 1.5(6)A/5mA    | 1.5             | 5                 | 4                 | <0.1                  | ≤5                      | <20      |
|                | 2.5(10)A/5mA   | 2.5             | 5                 | 4                 | <0.1                  | ≤5                      | <20      |

### Transformers Dedicated in Watt-hour Meters

#### a. Main Features:

- (1)- Small in size, high precision, excellent uniformity.
- (2)- Wide limitation standard, strong resistance to saturation.
- (3)- Flexible installation, both the PCB mode and the connection way are available for installation.

#### b. Electrical Parameters:

- (1)- Rated input current (Lin): 0-20A (According to customer requirements)
- (2)- Rated output current(Lin):0-20mA (According to customer requirements)
- (3)- Max overload current(Lin): 20×lin
- (4)- Non-linearity: Ratio difference <±0.1%; Angle difference <±5'
- (5)- Load resistance: ≤20Ω
- (6)- Power frequency withstand voltage: 4kV 2mA 1min
- (7)- Operation temperature: -40℃~+85℃(6)
- (8)- Insulation resistance: 500MΩ @500VDC

#### C. Technical parameters of commonly used product specifications

Note: The above specifications are stock products' specifications. We can also design for customers according to their requirements.

## PHYSICAL CHARACTERISTICS

