

Product Function

Measurement of AC leakage current, higher harmonic current, phase, power energy, power factor.

Product Features

1. Split type structure design, no need to interrupt the power supply and disconnect the circuit in testing, easy to carry and especially suitable for on-site online testing. Non-contact measurement, easy to operate, fast, safe and reliable.
2. Adopts Permalloy core and CT double-layer shielding technology, with high performance and high accuracy, high anti-interference ability, suitable for complex interference environment.
3. Measure the leakage current of cable and electrical equipment when clamping the hot wire and zero wire together at the same time
4. Output current or voltage signal.
5. The range, transformation ratio, output interface of the sensor can be customized according to customer requirements.
6. Insulating strength: AC3700V/ms (between the core and coil)
7. Safety class: CATIII600V
8. Working temperature: -15°C~50°C



Technical Specification

| Model | ETCR010K | ETCR025K | ETCR040K | ETCR080K |
|------------------|--|--|--|--|
| Range | 0.00mA~20A AC | 0.00mA~30A AC | 0.00mA~60A AC | 0.00mA~60A AC |
| Resolution | 0.01mA AC | 0.01mA AC | 0.01mA AC | 0.01mA AC |
| Accuracy Class | 0.5 | 0.5 | 0.5 | 0.5 |
| Phase Error | ≤2° | ≤2° | ≤2° | ≤2° |
| Turn Ratio | 800:1 | 800:1 | 800:1 | 800:1 |
| Secondary Load | 0 ~ 200mA ≤ 300Ω 0 ~ 2A ≤ 30Ω 0 ~ 20A ≤ 3Ω | 0 ~ 300mA ≤ 300Ω 0 ~ 3A ≤ 30 Ω 0 ~ 30A ≤ 3 Ω | 0 ~ 600mA ≤ 300Ω 0 ~ 6A ≤ 30Ω 0 ~ 60A ≤ 3Ω | 0 ~ 600mA ≤ 300Ω 0 ~ 6A ≤ 30Ω 0 ~ 60A ≤ 3Ω |
| Frequency | 10Hz~100KHz | 10Hz~100KHz | 10Hz~100KHz | 10Hz~100KHz |
| CT Size | φ10mm | φ25mm | φ40mm | φ80mm |
| Dimension | 53mmX42mmX28mm | 78mmX82mmX31mm | 95mmX98mmX31mm | 135mmX153mmX40mm |
| Weight | 65g | 120g | 160g | 490g |
| Output interface | 2-core shielded wire 2M | connection terminal (S1,S2 coil pigtail terminal, GND shielded terminal) | | |