






### Product Function

Measurement of AC leakage current, phase, power energy, power, power factor, harmonic etc. Apply to oscilloscope, harmonic analyzer, power fault analyzer and other industrial control devices.

### Product Features

1. Clamp structure, 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. Output current or voltage signal.
4. Measure the leakage current of cable and electrical equipment when clamping the hot wire and zero wire together at the same time.
5. The range, transformation ratio, output interface of the sensor can be customized according to customer requirements.
6. Output interface: shielded wire 1.5m, wire terminal interface:  $\phi 3.5\text{mm}$  Audio plug/BNC plug/4.0mm Double banana plug(Can be customized)
7. Insulating strength: AC3700V/ms ( between the core and coil)
8. Safety class: CATIII600V
9. Output model: induced current output

### Technical Specification

Model	ETCR016	ETCR030	ETCR040	ETCR068	ETCR080
					
<b>Range</b>	0.00mA~20A	0.00mA~30A	0.00mA~40A	0.00mA~60A	0.00mA~60A
<b>Resolution</b>	0.01mA	0.01mA	0.01mA	0.01mA	0.01mA
<b>Accuracy Class</b>	0.5	0.5	0.5	0.5	0.5
<b>Phase Error</b>	$\leq 2^\circ$	$\leq 2^\circ$	$\leq 2^\circ$	$\leq 2^\circ$	$\leq 2^\circ$
<b>Turn Ratio</b>	800:1	800:1	800:1	800:1	800:1
<b>Reference Load</b>	0 ~ 200mA $\leq 300\Omega$ 0 ~ 2A $\leq 30\Omega$	0 ~ 300mA $\leq 300\Omega$ 0 ~ 3A $\leq 30\Omega$	0 ~ 400mA $\leq 300\Omega$ 0 ~ 4A $\leq 30\Omega$	0 ~ 600mA $\leq 300\Omega$ 0 ~ 6A $\leq 30\Omega$	0 ~ 600mA $\leq 300\Omega$ 0 ~ 6A $\leq 30\Omega$
<b>Frequency</b>	10Hz~100KHz	10Hz~100KHz	10Hz~100KHz	10Hz~100KHz	10Hz~100KHz
<b>Clamp Size</b>	$\phi 16\text{mm}$	25mmX30mm	35mmX40mm	$\phi 68\text{mm}$	80mmX80mm
<b>Dimension</b>	110mmX53mmX22mm	115mmX70mmX33mm	125mmX70mmX37mm	185mmX115mmX43mm	194mmX145mmX40mm
<b>Weight</b>	138g	180g	190g	530g	780g