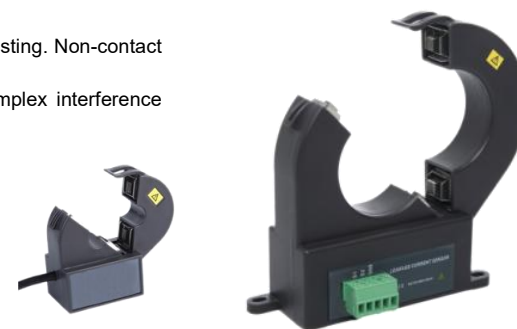## Product Function

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. Output interface: connection terminal (S1: coil signal +, S2: coil signal -, GND shielded terminal) or lead output
6. The range, transformation ratio, output interface of the sensor can be customized according to customer requirements.
7. Insulating strength: AC3700V/ms (between the core and coil)
8. Safety class: CATⅢ600V
9. Working temperature: -15°C~50°C

Technical Specification

Model	EM010K	EM025K	EM040K	EM080K
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	3P connection terminal		