





**Product Function**

Detecting of AC current, phase, power energy, power, and 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. The core is made of high performance Ferro-nickel alloy, with high performance and high accuracy.
3. It can output current or voltage signal. The range, transformation ratio, output interface of the sensor can be customized according to customer requirements.  
Output interface: BNC plug, or 4.0mm Double banana plug/3.5mm audio plug/bare wire (optional), cable length 1.5m
4. Insulating strength: AC3700V/ms ( between the core and coil)
5. Safety class: CATIII600V
6. Working temperature: -15°C~50°C

**Technical Specification**

Model		EM030A	EM040A	EM068A	EM080A
					
Range		0.00A~300A	0.00A~500A	0.00A~800A	0.00A~1000A
Accuracy Class		0.5	0.5	0.5	0.5
Phase Error		≤2°	≤2°	≤2°	≤2°
Current Type	Turn Ratio	3000:1	4000:1	2000:1	2000:1
	Reference Load	0~3A ≤ 300Ω 0~30A ≤ 30Ω 0~300A ≤ 3Ω	0~5A ≤ 300Ω 0~50A ≤ 30Ω 0~500A ≤ 3Ω	0~8A ≤ 300Ω 0~80A ≤ 30Ω 0~800A ≤ 3Ω	0~10A ≤ 300Ω 0~100A ≤ 30Ω 0~1000A ≤ 3Ω
	Output Voltage	0~3V(30Ω)	0~3V(24Ω)	0~3V(7.5Ω)	0~3V(6Ω)
Voltage Type	Secondary Load	≥100KΩ	≥100KΩ	≥100KΩ	≥100KΩ
Frequency		10Hz~100KHz	10Hz~100KHz	10Hz~100KHz	10Hz~100KHz
Clamp Size		25mmX30mm	35mmX40mm	φ68mm	80mmX80mm
Dimension		115mmX70mmX33mm	125mmX70mmX37mm	185mmX115mmX43mm	194mmX145mmX40mm
Weight		180g	190g	530g	780g