

RTCR016/RTCR030/RTCR040/RTCR068 Clamp leakage current sensor





Product Function

Measurement of AC current, current, high order harmonic current, phase, power energy, power, power factor.

Product Features

1. Clamp-shaped structure, no need to disconnect the line under test, easy to carry, especially suitable for on-site online testing. Non-contact measurement, easy to operate, fast, safe and reliable.
2. It adopts perm alloy core and CT double-layer shielding technology, with high performance stability and high anti-interference ability, suitable for complex interference environment.
3. The measuring range, turn ratio, output interface, etc. of the sensor can be customized according to customer requirements.

Technical Specification

Model	RTCR016	RTCR030	RTCR040	RTCR068
				
Range(AC)	0.00mA~60.0A	0.00mA~60A	0.00mA~300A	0.00mA~1000A
Resolution(AC)	0.01mA	0.01mA	0.01mA	0.01mA
Accuracy	±1.0%FS	±1.0%FS	±1.0%FS	±2.0%FS
Turn Ratio	1:800	1:800	1:2400	1:2400
Phase Error	≤2°	≤2°	≤2°	≤3°
Reference Load	RL:0~600mA≤300Ω;0~6A≤30Ω; 0~60A≤3Ω;	RL:0~600mA≤300Ω;0~6A≤30Ω; 0~60A≤3Ω;	RL:0~300mA≤500Ω;0~3A≤50Ω; 0~30A≤5Ω;0~300A≤0.5Ω	RL:0~100mA≤3kΩ;0~10A≤30Ω; 0~1000A≤0.3Ω;0~2000A≤0.1Ω
Clamp Size	φ16mm	25mm×30mm	35mm×40mm	φ68mm
Dimension	110mm×53mm×22mm	115mm×70mm×33mm	125mm×70mm×37mm	185mm×115mm×43mm
Weight	138g	180g	190g	530g
Output Method	Current sense output			
Output Interface	φ3.5mm Audio plug/BNC plug/4.0mm Double banana plug(Can be customized)			
Output Wire Length	2 cores wire, 2 meters			
Current Frequency	45Hz~60Hz (current frequency to be measured)			
Frequency Features	10Hz~100kHz			
Accessories	Sensor: 1 pcs			