

**Product Function**

Measurement of AC current, higher harmonic current, Complex Waveforms current, transient current, starting current, Phase, Electric energy, power, power factor etc.

Product features

1. The integral type integrator can be equip with various lengths flexible coils, convenient to use in field.
2. Non-contact measurement, safe and reliable. With wide range, high precision, strong reliability and wide response band of measurement.
3. Integrator small size and light weight, coil soft and flexible, suitable for cramped environment, ribbon cable intensive site, and measuring conductor currents of large size or irregular shape sites, measure the size of a large or irregularly shaped conductor current.
4. Particularly suitable for relay protection, silicon controlled rectifier, frequency control, semiconductor switches, power electronics conversion equipment, arc welding and son on serious signal distortion industrial environments.
5. The coil diameter and length can be customized according to customer requirements.

Technical Specification

Model	ETCR002F
Material Coil Diameter	φ7.5mm
Current Coil Diameter	Φ150~φ3000mm (Optional)
Power Supply	6F22 9VDC Zinc-manganese dry batteries (external power supply)
Range	AC 0A~3000A/6000/10000A (factory standard 6000A)
Resolution	1A/2A/3A
Accuracy Class	±1%FS (50Hz/60Hz; 23°C±2°C, Below 70%RH, the wire is in the center of the coil)
Phase Error	≤1°(50Hz/60Hz; 23°C±2°C)
Signal Output	Full range corresponding the output AC 0~1V
Integrator Size	165mmX105mmX40mm (not include the coil)
Integrator Weight	200g
Integrator Output Interface	3.5mmAudio frequency plug/BNC plug (Optional)
Integrator Output Wire Length	2m
Electric Field Interference	No hysteresis effect, not effected by external electric field
Wire Position	The cable in the center of the coil and the position error affects ≤±0.5% FS
Current Frequency	45Hz~70Hz (Measured current frequency)
Response Frequency	0.1Hz~1MHz
Line Voltage	Below AC 600V line test
Accessories	Flexible coil: 1PCS; Integrator: 1PCS; 6F22 9VDC: 1PCS