TRV01

Introduction to integrators

The combination of the rogowski coil and integrator can achieve 90° phase shift compensation and frequency equalization, so that the output of rogowski coil is in the same phase as the primary current and is frequency independent, which is suitable for more application scenarios. TRV series integrators are instantaneous voltages that output proportional to primary current and are usually used with p ower analyzers, oscilloscopes, ammeters, data loggers, data acquisition cards and other devices.

Product picture printing is for reference only, subject to the actual product

Features

- Accuracy 1%
- Low zero drift
- Low power consumption
- Small size
- Can be combined with RFSY rogowski coil of any size
- Can be combined with RFSZ rogowski coil of any size

Application

- Measuring instruments, laboratory instruments
- Power monitoring system
- DC ripple measurement
- Harmonics and transient monitoring
- Dynamometer
- Power analyzer sensor

Terminal definition

Output− ●

Output+ ●

Power− ●

Power+ ●

Electrical parameters: (The following parameters are typical values and actual values will be subject to product testing)

Model	TRV01-333AC-1	TRV01-001AC-1	TRV01-033AC-1
Rated input	100~6KA		
Rated output	0.333V AC	1V AC	3.3V AC
Maximum output	3.3V AC	3.3V AC	3.3V AC
Accuracy	1%(Typical value 5%~120% of rated current at 25℃)		
Frequency range	10Hz~10KHz		
Linearity	±0.2%		
Phase shift	≤0.5°		
Response time	≤1uS		
Ripple coefficient	1%		
Power supply	12V DC		
Mounting type	Suspended		
Working temperature	-20℃~+60℃		
Storage temperature	-40℃~+60℃		
Waterproof grade	IP20		

Dimensions (in:mm±0.5)