TRS01

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. TRS 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 rogowsiki coil of any size
- Can be combined with RFSZ rogowsiki coil of any size

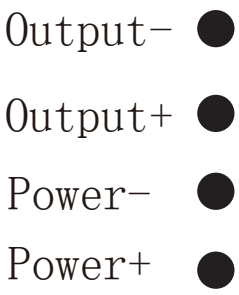
Application

- Power monitoring and analysis
- Harmonics and transient monitoring
- Welding machine control
- High current measurement
- PLC control

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

Model	TRS01-004DC-1
Rated input	100~6KA
Rated output	0-4V DC
Maximum output	4.5V DC
Accuracy	1% (typical value 5%~120% of rated current at 25℃)
Frequency range	20Hz~2KHz
Linearity	±0.2%
Phase shift	≤0.5°
Response time	≤100mS
Ripple coefficient	5%
Power supply	12V DC
Mounting type	suspended
Working temperature	-20℃~+60℃
Storage temperature	-40℃~+60℃
Waterproof grade	IP20

Terminal definition



Dimensions (in:mm±0.5)