

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. TRH series integrators are instantaneous voltages that output proportional to primary current and are usually used with power analyzers, oscilloscopes, ammeters, data loggers, data acquisition cards and other devices.

Features

- Accuracy 2%
- 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

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



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

Model	TRH02-005AC-1
Rated input	0~6KA
Rated output	0-5V AC
Maximum output	6V AC
Accuracy	2%
Frequency range	10Hz~1MHz
Linearity	±0.2%
Phase shift	≤0.5°
Response time	≤1uS
Ripple coefficient	0.2%
Power supply	12V DC
Mounting type	Din-rail
Working temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Waterproof grade	IP20

Terminal definition

- 1: +V
- 2: GND
- 3: N. C (Null terminal)
- 4: Output
- 5: GND
- 6: Signal V_{S-} (Black line)
- 7: Signal V_{S+} (Red line)
- 8: Shield

Dimensions (in:mm±0.5)

