

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 output industry standard 4-20mA, 0-20mA, 0-5V, 0-10V, ideal for process control, status alarm or system monitoring. Commonly used with SCADA systems, PLCs, data loggers and protective devices.

Features

- Accuracy 1%
- Low zero drift
- Standard 35mm din-rail
- High bandwidth measurement 30Hz to 5KHz
- 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

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)

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

Model	TRS02-420DC-1	TRS02-001DC-1	TRS02-005DC-1	TRS02-010DC-1
Rated input	100~10000A			
Rated output	4-20mA DC	0-1V DC	0-5V DC	0-10V DC
Maximum output	24mA DC	1.2V DC	6V DC	12V DC
Accuracy	1%(typical value 5%~120% of rated current at25℃)			
Frequency range	20Hz~2KHz			
Linearity	±0.2%			
Response time	≤100mS			
Ripple coefficient	5%			
Power supply	24V DC			
Mounting type	Din-rail			
Working temperature	-20℃~+60℃			
Storage temperature	-40℃~+60℃			
Waterproof grade	IP20			

Dimensions (in:mm±0.5)

