

TRS series integrator

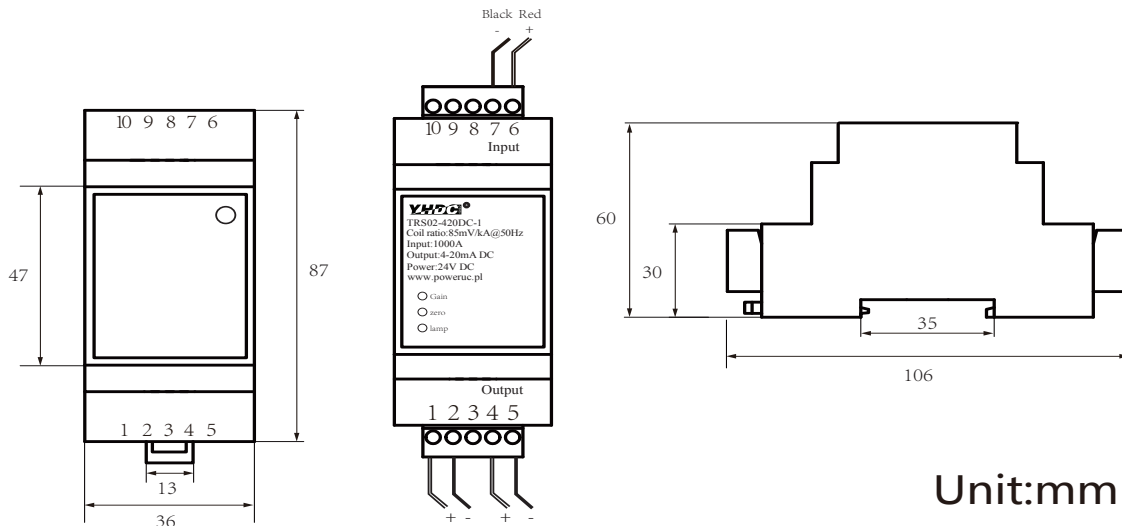
TRS series can output industry standard 4-20mA, 0-20mA, 0-5V, 0-10V, very suitable for process control, state alarm or system monitoring. Usually used with SCADA systems, PLCs, data loggers and protection equipmen,data acquisition card and other devices are used together.



Specification

Model	TRS02-420DC-1	TRS02-001DC-1	TRS02-005DC-1	TRS02-010DC-1
Rated Input	100~6000A			
Rated Output	4-20mA DC	0-1V DC	0-5V DC	0-10V DC
Maximum Output	24mA	1.2V	6V	12V
Read Accuracy	0.5%	0.5%	0.5%	0.5%
Frequency Range	20-2kHz	20-2kHz	20-2kHz	20-2kHz
Linearity	±0.2% of reading(1% to 200% of range)			
Phase Error	≤0.5°			
Ripple Factor	5%	5%	5%	5%
Response Time	100ms	100ms	100ms	100ms
Power Supply	24 DC			
Mounting Type	rail			
Operating Temperature	from -20°C to +60°C			
Storage Temperature	from -40°C to +60°C			
Protection Degree	IP20			

Dimensions



Unit:mm

Naming rules of rogowski coil

TR V 01 - 333AC - 1
 (1) (2) (3) (4) (5)

(1)TR: Integrator

(2)Type of integrator:

- V:Instantaneous voltage
- A:Instantaneous current
- S:Standard signal
- D:Digital signal

(3)Number of outer casing:

- 01:Suspended type outer casing(19*79*15mm)
- 02:Din-rail type outer casing(36*87*60mm)
- 03:Din-rail type outer casing(106*87*60mm)

(4)Signal of output:

- [333AC](#):333mV AC; [001AC](#):1V AC; [033AC](#):3.3 AC; [005AC](#):5V AC;
- [30MAC](#):30mA AC; [50MAC](#):50mA AC; [01AC](#):1A AC; [05AC](#):5A AC;
- [001DC](#):1V DC; [005DC](#):5V DC; [010DC](#):10 DC; [420DC](#):4-20mA DC;

(5)Phase line:

- 1:Single phase
- 3:Three-phase

Naming rules of integrator

R F S Y - 16 - 50
 (1) (2) (3) (4) (5) (6)

(1)R:Rogowski coil

(2)Physical structure:

- F: Flexible rogowski coil
- H: Rigid rogowski coil

(3)Type of output:

- S:Instantaneous voltage
- I: Integral voltage

(4)Type of coil:

- Y:Y type coil, diameter 16~70mm
- Z:Z type coil, diameter 85~300mm

(5)Diameter of coil:

- [16](#):16mm;[24](#):24mm;[36](#):36mm;[50](#):50mm;[70](#):70mm;[85](#):85mm;
- [105](#):105mm;[120](#):120mm;[150](#):150mm;[175](#):175mm;[200](#):200mm;
- [240](#):240mm;[300](#):300mm

(6)Output of coil:

- 50:50mV/1kA @50Hz, $1kA@60Hz=50*60/50=50*1.2=60mV$
- 85:85mV/1kA @50Hz, $1kA@60Hz=85*60/50=85*1.2=102mV$