



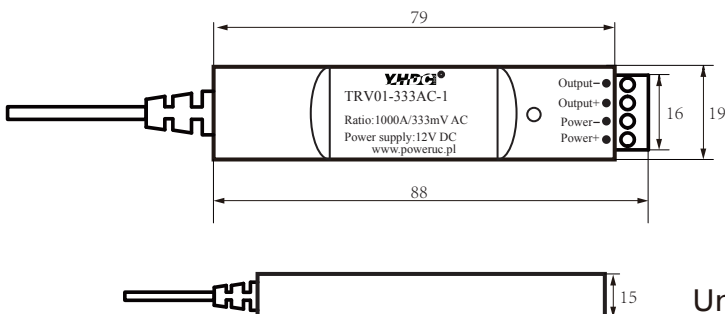
## TRV series integrator

TRV series integrator is an instantaneous voltage that the outputs a proportional to the primary current and is commonly used with power analyzers, oscilloscopes, ammeters, data loggers, data acquisition CARDS, and other devices

## Specification

Model	TRV01-333AC-1	TRV01-001AC-1	TRV01-033AC-1
Rated Input	100~6000A		
Rated Output	333 mV AC	1V AC	3.3V AC
Maximum Output	3.3V	3.3V	3.3V
Read Accuracy	0.5%	0.5%	0.5%
Frequency Range	10-10kHz		
Linearity	±0.2% of reading(1% to 200% of range)		
Phase Error	≤0.5°		
Ripple Factor	1.0%	1.0%	1.0%
Response Time	≤1us	≤1us	≤1us
Power Supply	6-12 DC	12 DC	12 DC
Mounting Type	hanging		
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,  $1kA@60Hz=85*60/50=85*1.2=102mV$