## TRH02



## 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 p--ower 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 rogowsiki coil of any size Dynamometer Can be combined with RFSZ rogowsiki coil of any size Power analyzer sensor

Terminal definition

3: N. C (Null terminal)

6: Signal Vs- (Black line) 7: Signal Vs+ (Red line)

Dimensions (in:mm±0.5)

1: +V

2: GND

5: GND

8: Shield

4: Output

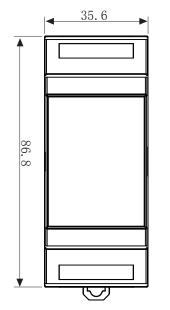
## Application

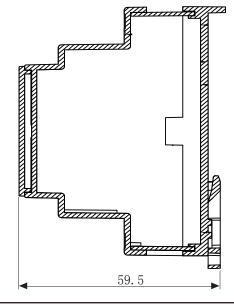
Measuring instruments, laboratory instruments Power monitoring system DC ripple measurement Harmonics and transient monitoring

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	$10 \text{Hz}^{\sim} 1 \text{MHz}$
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 <sup>~</sup> +60°C
Waterproof grade	IP20







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