



YHDC TST024L Split Core Current Transmitter Instruction Manual

[Home](#) » [YHDC](#) » YHDC TST024L Split Core Current Transmitter Instruction Manual 

Contents

- [1 YHDC TST024L Split Core Current Transmitter](#)
- [2 Product Information](#)
- [3 Product Features](#)
- [4 Product application](#)
- [5 Installation diagram](#)
- [6 Electrical parameters](#)
- [7 Instruction for use](#)
- [8 Dimensions](#)
- [9 Wiring diagram](#)
- [10 Documents / Resources](#)



YHDC TST024L Split Core Current Transmitter



Product Information

Splitcore, suspension installation, output with cable. Detect AC current. High insulation between primary and secondary circuits.

- **Product Name:** TST024L Split Core Current Transmitter
- **Features:**
 - Split core suspension installation
 - Output with cable
 - Detects AC current
 - High insulation between primary and secondary circuits
- **Electrical Parameters:**

Input Rating	Output	Power Supply	Response Time	Weight
100A, 200A, 300A	0-20mA/4-20mA/0-5V/1-5V/0-10V	+12V / +24V	200mS	196g

Product Features

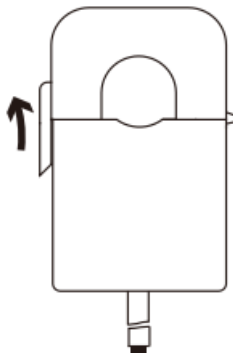
- Lightweight
- Low power consumption
- Good linearity
- No insertion loss
- Fast response time
- Good anti-interference ability

Product application

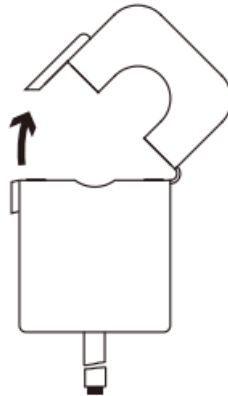
- Railway
- Metallurgical
- Welding machine
- Robot
- Motor
- Inverter power supply
- Variable frequency governor
- Uninterrupted power supply and communication power supply

Installation diagram

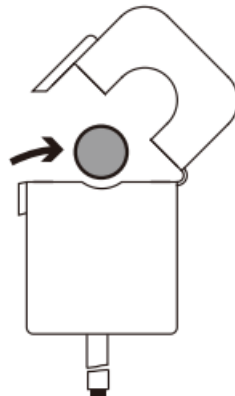
1. Loosen the card buckle



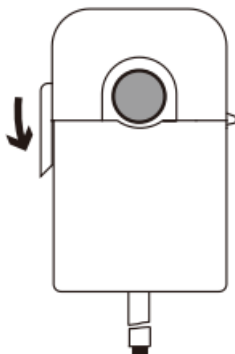
2. Open up



3. In the lead



4. Fasten card buckle



Electrical parameters

Rated input	100A	200A	300A	Standard input
Input measurement range	120A	240A	360A	Default is 1.2 times the input rating
Rated output	0-20mA/4-20mA/0-5V/1-5V/0-10V			Output one of five 0-10V output +24V power supply
Accuracy	0.5%			
Linearity	0.5%			
Supply voltage (±5%)	+12V / +24V			Supply voltage range ±5%
Current consumption	≤35mA			Reference will be subject to the measured
Load impedance	Current type output: 250Ω(Typification)	Voltage type output: ≥10KΩ		
Zero offset voltage	Current type output: ±0.08mA	Voltage type output: ±15mV		TA=25℃
Response time	≤200mS			Reference will be subject to the measured
weight	196g			Reference will be subject to the measured
Operating temperature	-10～+70℃			
Storage temperature	-25～+70℃			
Band width	50~400Hz			
Delectric strength	2.5KV 50Hz 1min			

Instruction for use

1. Connect the wires correctly according to the marked connection mode
2. With hole measurement, response time and following the speed for the best
3. Faulty wiring can lead to product damage and output uncertainty

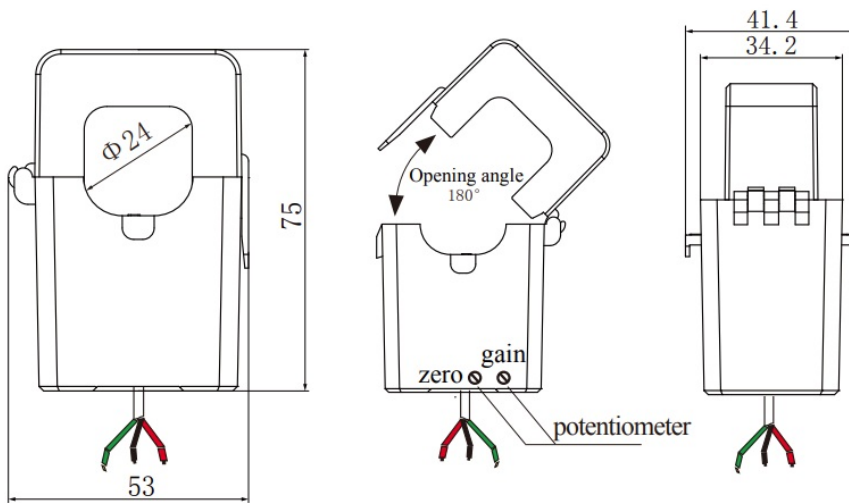
Safe operation:

- Please read this specification carefully before use.
- When you need to move the product, please be sure to disconnect the power and all the connected cables.
- If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.
- If there is any doubt about the safe operation of the equipment, the equipment and the corresponding accessories should be closed immediately, and the fastest time for troubleshooting.

Proclamations

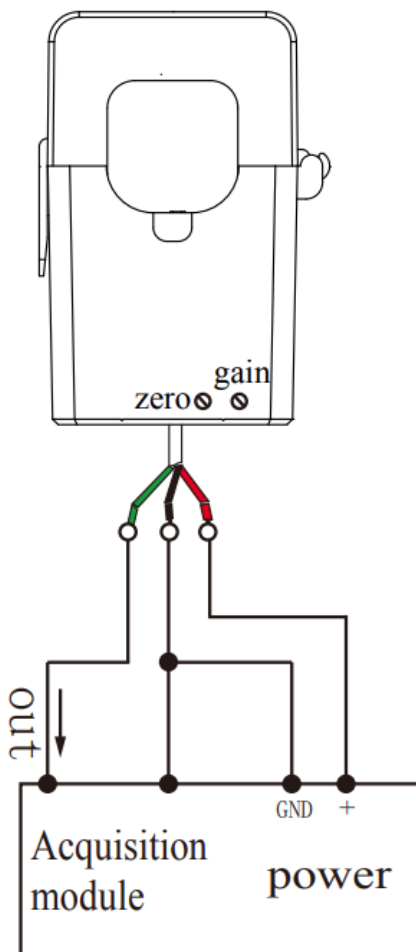
As our products are constantly being improved and updated, we reserve the right to modify the content of this specification at any time without prior notice.

Dimensions



Cable specification:
0.2mm² Three core shielding wire
Three core color: Red、Black、Green
Cable length: 50cm

Wiring diagram



Cable definition:

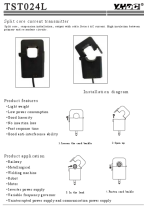
Red: +V
Black: GND
Green: out

1. The auxiliary power supply with ripple small ($\leq 10\text{mV}$) is selected
2. Switch on auxiliary power

- 3. Auxiliary power is connected to the transmitter
- 4. Transmitter detects the primary current

www.poweruc.pl

Documents / Resources

	<p>YHDC TST024L Split Core Current Transmitter [pdf] Instruction Manual TST024L, TST024L Split Core Current Transmitter, Split Core Current Transmitter, Current Transmitter, Transmitter</p>
---	---