

Current Sensor Unit

PS202 / PS204

PS208



Shenzhen Zhiyong Electronics Co., Ltd

Preface

First of all, thank you for purchasing our products, this instruction manual is the description about the function, usage, operation attention points, etc. Before use, please read the instructions carefully and use correctly.

Manual annotation will use the following symbols to distinguish.



This symbol means it is harmful to the machine and human body; you must strictly follow the instruction manual to operate.

Notice

In the case of wrong operation, the user risk injury. The content under this mark records the relevant matters needing attention to avoid such dangers.

Warning

The user may suffer minor injuries and material damage with the wrong operation. To avoid such situation, the matters under this mark need attention.

Note

This symbolizes important note about how to use the machine.



This product is the power supply designed for our CTA series high accuracy current sensor, so we require users to:

- ◆ Do not try to connect cables or open the shell during operation. Do not use the device in damp or combustible environment. Make sure the surface of the device is dry and clean before usage.
- ◆ Make sure the product is used in rated voltage and current range.
- ◆ If there's anything wrong with our product, please contact us immediately. Do not open the shell and try to repair on your own to avoid accident.

1. Summary

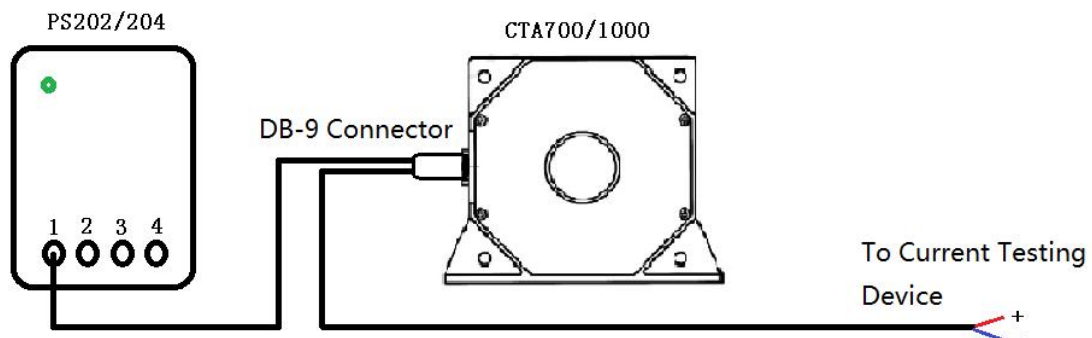
PS202/204 is the power supply designed for CTA series high accuracy current sensor. PS202 has two channels, PS204 has four channels and PS208 has eight channels.

2. Electronic Specification

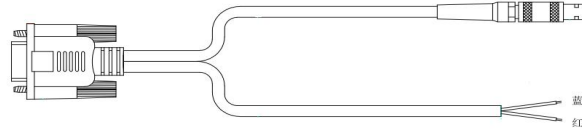
Input Voltage Range	90~264VAC
Frequency	47~63Hz
Output Voltage Range	±15V
Output Current Range	0~12A (1.5A for each channel)
Max Output Power	180W
Voltage Adjust Range	14.25~15.75V
Efficiency	80%
Power Factor	≥0.9
Overload Protection	130%~160% of rated output power
Over Voltage Protection	17.25~20.25V
CK-330 (Accessories)	2m (length optional) max current 1.2A
Operating environment humidity	20~70%RH no cooling
Operating environment temperature	-20~+70°C
Storing temperature and humidity	-40~+85°C、10~95%
PS202/PS204 Size	210mm(L)×110mm(W)×170mm(H)
PS202/PS204 Weight	1.83kg
PS208 Size	482.6mm(L)×88.9mm(W)×360mm(H)
PS208 Weight	4.32kg

3. Test Diagram

Test Diagram of PS202/204 and CTA700/1000



4. Accessories (Available for purchase)



CK-330

5. Steps of Test Installation

- ✧ Plug in the LEMO connector before testing and turn on the power of PS202/204/208
- ✧ The output connector of CTA series sensor cannot be open circuit.
- ✧ The female connector of DB-9 must be connected tightly and fix the screws on two sides

6. Precautions

- ✧ Please do not open the shell during the operation. Do not use the device in damp or combustible environment. Make sure the surface of the device is dry and clean before usage.
- ✧ Please carefully read the instruction manual and learn the knowledge before testing. Please test according to the correct step.
- ✧ We recommend using this power supply together with the CTA High Accuracy Current series sensor of our company in order to avoid accident.
- ✧ If there's anything wrong with our product, please contact us immediately. Do not open the shell and try to repair on your own to avoid accident.

7. Packing List

Packing list	
Name	Number
Sensor Unit	1
AC Power supply cable	1
Instruction Manual	1
Warranty Card	1

CYBERTEK

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