Current Transducer Power Supply

PS202/204

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 transducer, 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

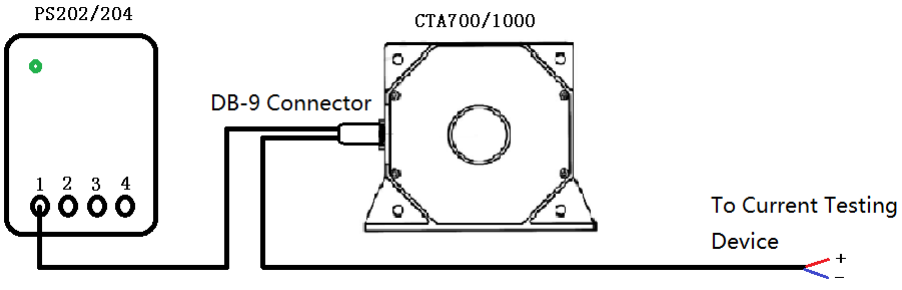
PS202/204 is the power supply designed for CTA series high accuracy current transducer. PS202 has two channels and can power up two CTA series at max. PS204 has four channels and can power up four CTA series at max.

2. Electronic Specification

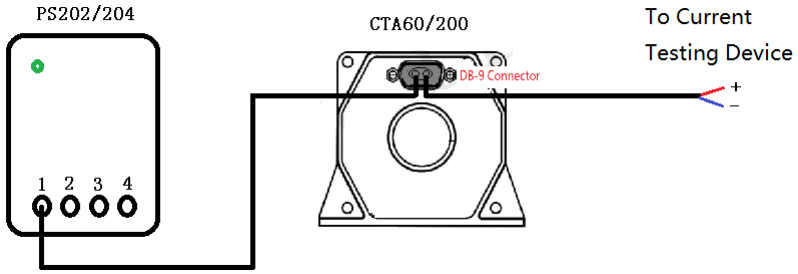
Input Voltage Range	90~264VAC
Frequency	47~63Hz
Output Voltage Range	±15V
Output Current Range	0~6A (1.5A for each channel)
Max Output Power	180W
Voltage Adjust Range	14.25~15.75V
Efficiency	80%
Power Factor	≥0.9
Overload Protection	130%~160% of rated output power
Over Voltage Protection	17.25~20.25V
CK-330 (Accessories)	2m (length optional) max current 1.2A
Operating environment humidity	20~70%RH no cooling
Operating environment temperature	-20~+70℃
Storing temperature and humidity	-40~+85℃、10~95%
Size	210mm(L)×110mm(W)×170mm(H)
Weight	1.83kg

3. Test Diagram

3.1 Test Diagram of PS202/204 and CTA700/1000



3.2. Test Diagram of PS202/204 and CTA60/200



4. Accessories

DB-9 Female
Connect to the
male of CTA

transducer
LEMO 304
connector
Connect to
PS202/204

Current Output
Connector
Connect to Current
Testing Device

5. Steps of Test Installation

- Plug in the LEMO connector before testing and turn on the power of PS202/204
- The output connector of CTA series transducer 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 transducer 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**
Power Supply	1
AC Power supply cable	1
Instruction Manual	1
Warranty Card	1

CYBERTEK

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