Sensor Unit

CTB104

Shenzhen Zhiyong Electronics Co., LTd

www.cybertek.cn

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.**

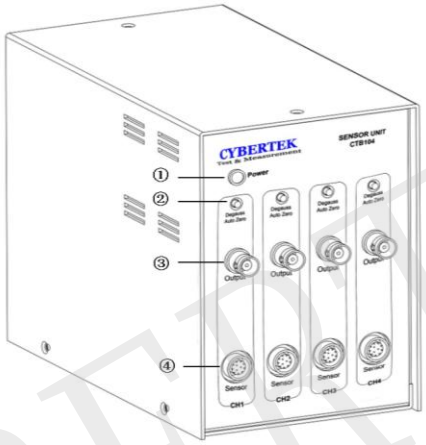
This product is the power supply designed for our CTA series high accuracy current transducer, so we require users to:

- 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

CTB104 is the sensor unit designed for the CTB series high accuracy current transducer. Connecting with each other through the specialized 12 pin port, CTB104 sensor unit can connect with 4 CTB series product at the same time. With auto-zero and degaussing function and sensor signal output port, CTB104 can realize the degaussing and zero setting to corresponding channel through the button on panel. CTB104 has standard BNC signal output port, able to connect with the recording devices like oscilloscope or power analyzer, of any brand

2. Product description



① **Power Indicator:** indicating power supply with green light.

② **Degaussing zero set button:** realizing the zero setting and degaussing of the current probe of corresponding channel.

③ **Signal Output:** the signal output to the corresponding channel.

④ **Sensor Port:** Connecting CTB series sensor with the sensor unit.

3. Electronics Specification

Suitable sensor series	CTB high accuracy current sensor series
Zero set and degaussing	4 channel independent control
Signal output port	BNC(4 channel independent output)
Output voltage range	±12±0.5V (per channel)
Output current range	0.6Amax (per channel)
Input Voltage Range	90~264VAC
Frequency	47~63Hz
Operating environment humidity	20~70%RH no condensation
Operating environment temperature	-20~+70℃
Storage temperature and humidity	-40~+85℃、10~95%
Dimension(L*W*H)	215*110mm*160mm
Weight	1.7kg

4. Operating Method

- Connect the CTB104 sensor unit with the CTB series current probe.
- Connect the output port of the sensor unit with terminal device such as oscilloscope or power analyzer through BNC cable.
- Turn on CTB104 sensor unit.
- Executing zero set and degaussing through the button on probe or sensor unit.
- Unlocking the jaw with pushrod.
- Using the rod to open/close the jaw.
- Clip in the cable under test according to current direction and close the jaw. (Signal will be reversed if the direction is wrong.)
- Close the jaw with locking pushrod.
- Start testing.
- Unplug the device after testing finished.
- Cut off the power on sensor unit.

5. Packing List

Packing List	
Name	**Amount**
Sensor unit	1
BNC output cable CK-310	4
AC power supply cable	1
Instruction manual	1
Warranty card	1

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Published in China, Aug. 1, 2018