

Power Supply for Breaker Performance Test 电流断路器性能试验用装置

This device consists of the constant current power supply part and the backup device part used for a breaker performance test.

本装置由电流断路器性能试验所使用的定电流电源部分和备用装置部分构成。



Specifications 规格

● Constant current power supply part

额定电流电源部

Device name AC chopper control type automatic current regulator
产品名称 交流截波器控制型自动电流调节器

Specifications	Input	Single phase 2 wire 200V $\pm 10\%$
规格	输入	单相二线 200V $\pm 10\%$ 50Hz / 60Hz either appointment 50/60Hz 之中选一个
	Output	Single phase 2 wire 0 ~ 15V
	输出	单相二线 Current variable range 0 ~ 250A 电流可调节范围 Incidence of distortion rate 2% 变形率 Constant current accuracy $\pm 1.0\%$ 额定电流精度 Response speed 50msec. 响应速度 Overshoot current Within 2% of setting value 电流过冲 设定值的 2% 以内

● Backup device part

备份装置部

Device name Breaker backup device
产品名称 电流断路器备份装置

Specifications	Single phase	50V 250A
规格	单相	
	Response speed	5msec.
	响应速度	

Feature 特长

- Because the device has a different linear amplifier method (the control method from the previous model), it is highly efficient, small and low cost.
由于现有的线性放大器方式和控制方式不同，故可实现高效率，小型和低成本。
- Fast response speed
响应速度快。
- Constant current accuracy is high
定电流精度高。
- Possible to conduct 125AT breaker 200 % test with five breakers at the same time with this device
利用本装置可以同时五个电流断路器进行 125AT 电流断路器 200 % 试验。

Block diagram 结构图

