

Electronic Loading Instrument

YTR-KR series



Application 用途

- For battery electrical discharge test
蓄电池放电试验用
- For fuel cell evaluation test
燃料电池评价试验用
- For various type of generator test
各种发电机试验用
- Load test of DC electronic equipment and electronic parts
直流电子装置及电子零部件负载试验
- For life test of switch and relay
开关以及继电器的寿命试验
- Interception and shutdown test of breaker and fuse
断路器，保险丝的断路和熔断试验
- Electrical discharge test of capacitor
电容器的放电试验
- Characteristic test on various materials
各种材料的特性试验

Feature 特长

- High stability level ($\pm 0.05\%$)
具有很高的稳定性 ($\pm 0.05\%$)
- High-speed response (1mSec.)
高速响应 (1mSec.)
- A large capacity load is achieved with one device (possible to produce up to 3000A)
可以使用一台实现大容量负载 (最大可达 3000A)
- Over voltage overcurrent heating protection circuit
过电压过电流加热保护电路

Model 型号	YTR							
	80-5KR	80-7.5KR	80-10KR	80-15KR	80-20KR	80-25KR	80-30KR	80-60KR
Control type 控制方式	All transistor control 全三极管控制							
Voltage 电压	DC4 ~ 80V							
Current 电流	200A	300A	400A	600A	800A	1000A	1200A	2400A
Electric power 电力	5kW	7.5kW	10kW	15kW	20kW	25kW	30kW	60kW
Control 控制	Constant current control/fix electric power control Switch 定电流控制 / 定功率控制 切换							
Current stability 电流稳定程度	Within $\pm 0.05\%$ of the maximum current value compared with $\pm 10\%$ variable of operational power supply Within $\pm 0.05\%$ of the maximum current value compared with voltage variable of DC4-80V 相对操作电源的 $\pm 10\%$ 变动，可把最大电流值控制在 $\pm 0.05\%$ 以内 相对电压在 DC4 ~ 80V 的变动，可把最大电流值控制在 $\pm 0.05\%$ 以内							
Setting Current Remote/Local select 电流设置 (遥控 / 本机) 切换	Remote setup: At DC0 to 10V, 0 - maximum current value A (Insulation) Local setup: By ten-rotation potentiometer 遥控设置: 利用 DC0 ~ 10V 使电流值设置在 0 ~ 最大电流值 A 本机设置: 利用 10 圈电位差计进行设定							
Operation power supply 操作电源	Single phase 100V $\pm 10\%$ 50/60Hz (Single phase 100V and three-phase circuit 200V according to capacity) 单相 100V $\pm 10\%$ 50/60Hz (根据容量, 单相 100V, 三相 200V)							
Protection function 保护功能	Over electric power : A fixed electric power is controlled by 110% of the maximum electric power value (LED display) Over current : Interrupts at 110% of the maximum current value Over voltage : Interrupts at 90V Overheat : Shutdown at cooling fan 100 centigrade Restoration : Re-operation after reset 过电力 : 在最大功率值的 110% 时进行定功率控制 (LED 表示) 过电流 : 在最大电流值 110% 时进行断开 过电压 : 在 90V 时进行断开 过热 : 冷却风扇在 100℃ 时进行断开 复位 : 复位后, 再操作							
Monitor indication 数字表	Current : Digital meter Voltage : Digital meter 电流 : 数据 电压 : 数据							
Cooling type 冷却方式	Dry type forced cooling air 干式强制风冷							

电子负载装置

YTR-KR系列

About the interface of YTR-KR series 关于YTR-KR系列的界面

● Panel display light 面板显示灯

1. MC (load connection) [ON/OFF]Lighting at ON
MC (负载连接) [ON/OFF][ON] 时灯点亮
2. Load electricity [ON/OFF]Lighting at ON
负载通电 [ON/OFF][ON] 时灯点亮
3. Operation power supplyLight ON at the time of turning on
操作电源接通时灯点亮
4. Over electric powerLight ON at the time of over electric power
过功率过功率时灯点亮
5. Overcurrent and excessive voltageLight ON at the time of shutdown
过电流和过电压断开时灯点亮
6. Abnormal overheatingLight ON at the time of malfunction
过热异常异常时灯点亮
7. Emergency stopLight ON at the time of shut-off
紧急停止停止时灯点亮

● Monitor output 监视器输出

1. VoltageDC0 ~ 80V/DC0 ~ 10V (Non Insulation)
电压DC0 ~ 80V/DC0 ~ 10V (非绝缘)
2. CurrentDC0 ~ Maximum current/DC0 ~ 10V (Non Insulation)
电流DC0 ~ 最大电流值 /DC0 ~ 10V (非绝缘)

● Operational signal 操作信号

1. Remote current setting0-maximum current value (insulated) to DC0-10V
遥控电流设定相对 DC0 ~ 10V, 电流设置在 0 ~ 最大电流值 (绝缘)
2. MC [ON]MC [ON] at close (momentary)
MC [ON]关闭时 MC [ON] (瞬间)
3. MC [OFF]MC [OFF] at close (momentary)
MC [OFF]关闭时 MC [OFF] (瞬间)
4. Energizing [ON/OFF]Energize by closing
通电 [ON/OFF]关闭时通电
5. Emergency stopMC shutdown at closing
紧急停止关闭时 MC 断开 (瞬间)
6. ResetMC shutdown released at opening
MC [ON] again after restoration
复位开启时 MC 断开解除 (瞬间)
复位时要再次使 MC [ON]

● Option 选配

1. GP-IB·RS-232C interface
GP-IB·RS-232C 界面
2. We provide the voltage line drop amends power supply. (Built-in or external)
本公司还准备了电压线路欠压补偿电源 (内置或者另设)