

Intelligent program-controlled DC electronic load series



Product Detail

CH9715 series electronic load is our company's professional accumulation in the field of electronic load for many years, and on the basis of a wide range of customers, the latest generation of high-performance multi-functional program-controlled DC electronic load. Superior performance can be widely used in power transformer, charger, switching power supply, all kinds of batteries and other industries, such as production line testing, product sophistication and laboratory test and development fields.

Main Features:

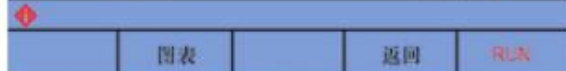
- 4.3 inch TFT LCD display
- Maximum display resolution of 0.0001 voltage and current for more testing occasions
- High Speed Sampling AD at 500kHz to Ensure Ultra Fast Testing Speed
- Support constant current, constant voltage, constant power, constant resistance conventional load mode, with comparator function
- Power supply test requirements supporting constant current + short circuit, constant voltage + short circuit
- Load-free, slow-rise and slow-drop function to effectively reduce instantaneous impact

- CR-LED test mode, convenient parameter setting mode is more convenient to use
- Battery test mode, which can test battery endurance and capacity, and with internal resistance test and curve drawing function
- Dynamic test mode, which can test the dynamic output performance of power supply, with rising and falling edge control
- List test mode, which can test the comprehensive parameters of power supply under various load conditions, including comparator function
- Programming test mode, which can capture critical parameters of power supply products, such as OCP, OPP, etc., including comparator functions
- Upgrade function of U disk software, keep the latest operating version at all times
- One-click screen copy function, easy to save or transfer screen display content
- Fifty sets of settings files in the instrument, which can save and call settings parameters
- USB HOST, USB Device
- Standardized Handler and RS232C interface

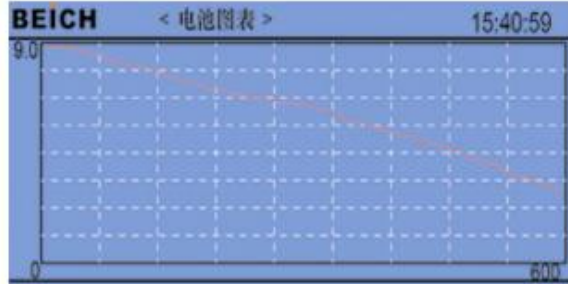


BEICH < 电池测试 > 15:24:32

放电模式 : 恒流
 放电电流 1 : 0.5000A 截止电压 1 : 0.0000V
 放电电流 2 : 0.0000A 截止电压 2 : 0.0000V
 放电电流 3 : 0.0000A 截止电压 3 : 0.0000V
 8.9750V 0.0879Ω
 0.4998A 0.0173AH
 4.4859W 000时02分05秒



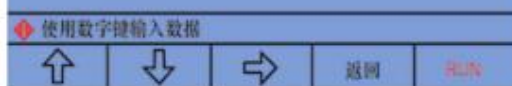
电池测试模式，可测试电池耐力和容量，并带内阻测试功能
 Battery testing model, testing battery endurance and capacity, and with internal resistance testing function



电池测试模式下显示屏可以直接显示放电曲线
 The discharge curve can be displayed in battery test mode

BEICH < LED 测试 > 15:56:21

LED Vo : 10.000V LED Io : 0.2000A
 LED Coff : 0.2000
 9.9940V 10.000Ω
 0.1990A 0.1996A
 1.9895W



CR-LED 测试模式，方便的参数设置模式使用更便捷
 CR-LED mode, more convenient parameter setup mode

BEICH < 扫描设置 > 15:47:42

扫描类型 : 空电流 阈值类型 : 电压转折
 扫描起点 : 0.0000 阈值设置 : 1.5000
 扫描终点 : 1.0000 比较类型 : 按电流
 步进量 : 0.0000 下限 : 0.2000
 步进延时 : 50ms 上限 : 1.0000

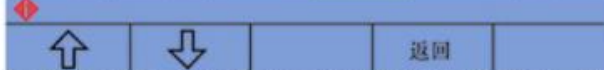


编程测试模式，可捕获电源产品的临界参数，如 OCP, OPP 等，包含比较器功能
 Program test mode, which can obtain the critical parameters of power supply like OCP, OPP, .etc. with comparator function

BEICH < 列表结果 > 15:44:53

列表步数 : 07 步进模式 : 连续 循环测试 : 关闭

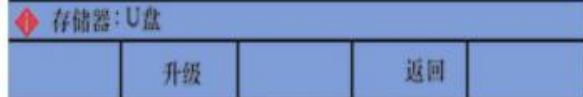
序列	负载类型	电压	电流	功率	结果
第01步	定电流	9.0112	0.0998	0.8990	合格
第02步	定电压	5.9921	0.7149	4.2839	合格
第03步	开路	9.0201	0.0000	0.0000	合格
第04步	定电阻	8.9495	0.8946	8.0066	合格
第05步	定功率	8.9490	0.8937	7.9979	合格
第06步	短路	0.1364	0.9960	0.1359	合格



列表测试模式，可测试电源在多种负载条件下的综合参数，包含比较器功能
 List test mode for testing the comprehensive parameters of power supply in different load conditions with comparator function

BEICH < 固件升级 > 15:23:13

序号	名称 (大小)	日期	时间
1.	CH9715 (158KB)	2015-03-18	10:01
2.	CH9715 (158KB)	2015-03-18	10:01
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			



U 盘软件升级功能，时刻保持最新操作版本
 U-Disk update for latest firmware

Main Parameters:

Model		CH9715	CH9716	CH9715A	CH9716A	CH9715B	CH9716B
Rated value	Input voltage	0 ~ 150V		0 ~ 500V		0 ~ 150V	
	Input current	0.1mA ~ 30A		0.1mA ~ 30A		0.1mA ~ 60A	
	Input power	150W	300W	150W	300W	150W	300W
	Range	Accuracy			Resolution		
Load accuracy	0-9.9999V	$\pm(0.05\%+0.03\%FS)$			0.1mV		
	10V-99.999V	$\pm(0.05\%+0.03\%FS)$			1 mV		
	100V-150V/500V	$\pm(0.05\%+0.03\%FS)$			10mV		
	0-9.9999A	$\pm(0.05\%+0.05\%FS)$			0.1mA		
	10-30A/60A	$\pm(0.05\%+0.05\%FS)$			1 mA		
CV mode	1.5V-36V	$\pm(0.05\%+0.03\%FS)$			0.1mV/1mV		
	1.5V-150V/500V	$\pm(0.05\%+0.03\%FS)$			10 mV		
CC mode	0-3A/6A	$\pm(0.05\%+0.05\%FS)$			0.1mA		
	0-30A/60A	$\pm(0.05\%+0.05\%FS)$			1mA		
CR mode	0.05 Ω -5 Ω	$\pm(0.2\%+0.2\%FS)$			0.0001 Ω		
	0.5 Ω -50 Ω	$\pm(0.1\%+0.1\%FS)$			0.001 Ω		
	5 Ω -500 Ω	$\pm(0.1\%+0.1\%FS)$			0.01 Ω		
	500 Ω -5K Ω	$\pm(1\%+1\%FS)$			0.1 Ω		
CP mode	0-50W	$\pm(0.1\%+0.1\%FS)$			mW		
	0-150W	$\pm(0.1\%+0.1\%FS)$			10mW		

	0-300W	$\pm(0.1\%+0.1\%FS)$	0.1W
Battery test function	<p>Input voltage: 2-150V/500V</p> <p>Max measurement capacity : 9999AH</p> <p>Timer range=1 ~ 4294967295sec(> 7 days)</p>		
Dynamic test mode	<p>Min plus width : 0.1ms</p> <p>Max plus width : 999s</p> <p>Rising/Falling edge resolution:0.1ms</p> <p>Max Rising/Falling edge time : 6s</p>		
List test mode	<p>Rated Voltage,Rated Current,Rated Power</p> <p>Rated Resistance,Short,Open</p>		
Programming test mode	<p>Sweep type : Current,Voltage,Power</p> <p>Critical conditions : V-threshold,DV,Drop</p>		