

Economical Programmable DC Electronic Load Series



Product Detail

CH9720 series electronic load adopts high-performance ARM processor and high-speed measuring circuit to ensure the accuracy of measurement; 4.3 inch TFT color screen supports Chinese-English interface, cooperates with carefully designed guide menu, and operates well; display information is rich and comprehensive, intuitive and convenient; it has a higher display resolution of 0.0001, which can more accurately monitor the voltage and current details of the products under test; some models have USB memory interface, which can save settings files conveniently and interoperate settings between instruments.

The instrument is equipped with RS232C interface, with a rich set of SCPI instructions, which can be easily connected to the computer for real-time data acquisition and instrument control.

Main Features:

- 360V wide voltage input, wider scope of application, can be widely used in non-isolated power supply testing
- The display parameters of 4.3 inch TFT color screen are comprehensive, clear and intuitive, and support the Chinese and English operation interface.
- Software update of U disk, data saving and screen capture function of U disk (CH9720BU/9720CU)
- Higher dynamic response speed for high-speed power supply testing.
- Standard RS232 interface, no special cable can be connected with the computer.
- Customers can purchase standard RS232 to USB interface at will, and do not need to buy manufacturer-specific connectors to save costs for users.

Major Technical Indicators:

Model		CH9720B	CH9720C	CH9720BU	CH9720CU
Rated value	Input voltage	0~360V			
	Input current	0.1mA~30A			
	Input power	150W	300W	150W	300W
	Range	Accuracy		Resolution	
Load accuracy	0-36V	$\pm(0.05\%+0.03\%FS)$		1mV	
	0-360V	$\pm(0.05\%+0.03\%FS)$		10mV	
	0-3A	$\pm(0.05\%+0.05\%FS)$		0.1mA	
	0-30A	$\pm(0.05\%+0.05\%FS)$		1mA	
Rated voltage mode	1.5V-36V	$\pm(0.05\%+0.03\%FS)$		1mV	
	1.5V-360V	$\pm(0.05\%+0.03\%FS)$		10mV	
Rated current mode	0-3A	$\pm(0.05\%+0.05\%FS)$		0.1mA	
	0-30A	$\pm(0.05\%+0.05\%FS)$		1mA	
Rated resistance mode	0.05 Ω -5 Ω	$\pm(0.2\%+0.2\%FS)$		0.001 Ω	
	0.5 Ω -50 Ω	$\pm(0.1\%+0.1\%FS)$		0.01 Ω	
	5 Ω -500 Ω	$\pm(0.1\%+0.1\%FS)$		0.1 Ω	
	500 Ω -5K Ω	$\pm(1\%+1\%FS)$		1 Ω	
Rated power mode	0-50W	$\pm(0.1\%+0.1\%FS)$		1mW	
	0-150W	$\pm(0.1\%+0.1\%FS)$		10mW	
	0-300W	$\pm(0.1\%+0.1\%FS)$		0.1 W	
Voltage measurement accuracy	0-9.9999V	$\pm(0.05\%+0.03\%FS)$		0.1mV	
	10.000-99.999V	$\pm(0.05\%+0.03\%FS)$		1mV	
	100.00-360.00V	$\pm(0.05\%+0.03\%FS)$		10mV	
Current measurement accuracy	0-9.9999A	$\pm(0.05\%+0.05\%FS)$		0.1mA	
	10.000-30.000	$\pm(0.05\%+0.05\%FS)$		1mA	
Battery test function	Input= 0.8-360V Max measurement capacity= 999A/H Resolution=0.1mA Timer range=1~60000sec				
Dynamic test mode	A or B test time:0.05mS-999S Error<2.5% + 0.05mS				
U disk storage	NO			YES	

Impedance in the input terminal	≥200KΩ				
Dimensions	W*H*D 215mm*88mm*350mm				
Weight		5.5Kg	6.5Kg	5.5Kg	6.5Kg

Brief description of other functions:

Model/Parameter	CH9720B	CH9720BU	CH9720C	CH9720CU	
Voltage range	360V				
Display mode	4.3 inch TFT color screen				
System and Menu Language	Chinese and English optional				
Current range	30A				
Power range	150W			300W	
Basic measurement accuracy	0.05%				
Display resolution	0.1mV/0.1mA				
Basic measurement mode	CC,CV,CR,CP,SHORT				
CR-LED Test Mode	YES				
Battery test mode	YES				
Programming List Test	YES				
Distal measurement function	YES				
Dynamic test time	20KHz/0.05ms				
Display of Battery Discharge Curve	YES				
PASS/FAIL Signal Output	YES				
U-disk firmware upgrade function	YES				
U-disk Data Storage and Screen Capture	NO	YES	NO	YES	
RS232C interface	Standard Fully Isolated 232 Interface, Common Connection Line				
USB interface selection	Common 232 to USB Interface				