

UTL8200 Series

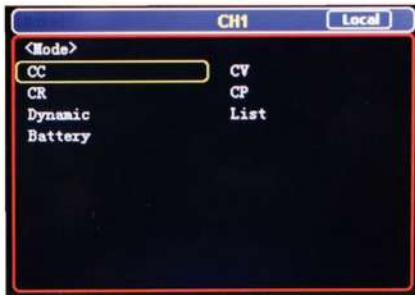
DC Electronic Loads



● UTL8212

The UTL8200 Series is designed for users requiring a DC load with a compact form factor which is widely used in basic applications such as product production line and maintenance. Small size, easy operation, rich testing functions and modes, support for dual-channel independent testing, the standard RS-232 interfaces for remote communication to meet your diversified test requirements, easy to connect seamlessly with automatic production line and automatic test system (ATS). With a wide range of power measurement, voltage and current measurement speed up to 40kHz, test resolution up to 1mV/1mA, the UTL8200 series is a cost-effective DC load with performance specifications that rival any instrument in its class.

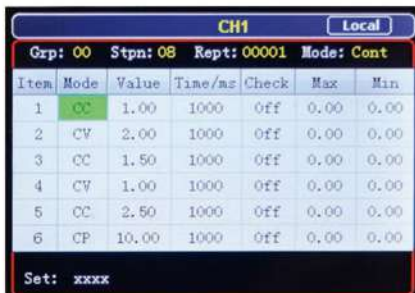
- 4 basic modes: CC/CV/CR/CP
- High resolution: 1mV/1mA
- Up to 40kHz voltage and current testing speed
- Multi-mode battery discharging test
- List mode supports auto test
- Independent short-circuit test
- Protections of over-voltage/under-voltage/over-current/over-power/over-temperature/anti-reverse connection
- Standard RS-232C interface, SCPI protocol is supported



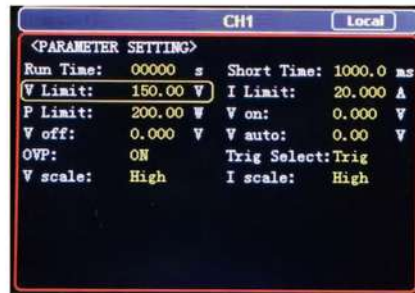
- Built-in 7 test modes



- Battery discharge test



- List test mode



- Multiple protection functions

Technical Specifications		UTL8211	UTL8212
Number of channel		Single channel	Dual channels
Input ratings (0~40°C)	Voltage	0~150V	0~150V
	Current	0~4A, 0~40A	0~2A, 0~20A
	Power	400W	2x200W
CV mode	Range	0~18V, 0~150V	
	Accuracy	±(0.05%+0.1% FS)	
CC mode	Range	0~4A, 0~40A	0~2A, 0~20A
	Accuracy	± (0.05% + 0.05%FS)	
CR mode	Range	0.05Ω~7.5KΩ	
	Accuracy	0.1% + 0.5%FS	
CP mode	Range	400W	200W
	Accuracy	0.1% + 0.5%FS	
Dynamic Current			
Dynamic mode	T1&T2	100μS~3600S	
	Accuracy	5μS±100ppm	
	Slope	0.001~0.15 A/μS	
Readback voltage	Range	0~18V, 0~150V	
	Accuracy	± (0.05% + 0.1%FS)	
Readback current	Range	0~4A, 0~40A	0~2A, 0~20A
	Accuracy	± (0.05% + 0.1%FS)	
Readback power	Range	400W	200W
	Accuracy	± (0.1% + 0.5%FS)	
Basic Protection			
Over-power protection	Set value×1.01,delay protection,max 404W		Set value×1.01,delay protection, max 202W
	Set value×1.1,instant protection,max 440W		Set value×1.1,instant protection, max 220W
Over-current protection	Set value×1.01,delay protection,max 40.4A		Set value×1.01,delay protection, max 20.2A
	Set value×1.1,instant protection, max 44A		Set value×1.1,instant protection,max 22A
Over-voltage protection	≥152V delay protection, ≥165V instant protection		
Over-temperature protection	≥95°C		
Resolution	1mV/1mA		
Basic mode	CC/CV/CR/CP		
Test mode	Dynamic mode, list mode, battery test		
Protections	Protections of over-voltage/under-voltage/over-current/over-power/over-temperature/anti-reverse connection		
System setup	Language: Chinese/English, key tone setting		
Data storage	60 sets of data memory		
Interface & protocol	RS-232 interface and SCPI protocol		
PC software	√		
Power	110V/220V, 50/60Hz		
Display	2.8 inches LCD		
Product net weight	3.6kg		
Product size (W×H×D)	300mm x 88mm x 174mm		
Standard quantity per carton	4pcs		
Standard carton size	360mm x 170mm x 280mm		
Standard carton gross weight	20kg		

Ordering Information	
UTL8200 Series	UTL8212: DC electronic load (2-Channel, 20A,200W)
	UTL8211: DC electronic load (1-Channel, 40A,400W)
Standard Accessories	International standard power cord
	250V/0.5A fuse (Only suitable for 110V input voltage)