



Just Right For Your Power Electronics Test Solution

M97 Series Programmable DC Electronic Load Technical Specification Table

Model	M9715	M9715B	M9716	M9716B	M9716E					
Input Rating	Power	1800W	1800W	2400W	2400W	3000W				
	Current	0-240A	0-120A	0-240A	0-120A	0-480A				
	Voltage	0-150V	0-500V	0-150V	0-500V	0-150V				
CC Mode	Range	0-24A 0-240A	0-12A 0-120A	0-24A 0-240A	0-12A 0-120A	0-48A 0-480A				
	Resolution	1mA 10mA	1mA 10mA	1mA 10mA	1mA 10mA	1mA 10mA				
	Accuracy	0.05%+0.05%FS 0.1%+0.05%FS	0.05%+0.05%FS 0.1%+0.05%FS	0.05%+0.05%FS 0.1%+0.05%FS	0.05%+0.05%FS 0.1%+0.05%FS	0.05%+0.1%FS 0.1%+0.15%FS				
CV Mode	Range	0.1-19.999V 0.1-150V	0.1-19.999V 0.1-500V	0.1-19.999V 0.1-150V	0.1-19.999V 0.1-500V	0.1-19.999V 0.1-150V				
	Resolution	1mV 10mV	1mV 10mV	1mV 10mV	1mV 10mV	1mV 10mV				
	Accuracy	0.03%+0.02%FS 0.03%+0.02%FS	0.03%+0.02%FS 0.03%+0.05%FS	0.03%+0.02%FS 0.03%+0.02%FS	0.03%+0.02%FS 0.03%+0.05%FS	0.03%+0.02%FS 0.03%+0.02%FS				
CR Mode(Voltage and current input value \geq 10%full measurement)	Range	0.03 Ω -2K Ω 0.03 Ω -5K Ω	0.03 Ω -2K Ω 0.03 Ω -5K Ω	0.3 Ω -2K Ω 0.3 Ω -5K Ω	0.03 Ω -2K Ω 0.03 Ω -5K Ω	0.03-2K Ω 0.03-5K Ω				
	Resolution	16 bit	16 bit	16 bit	16 bit	16 bit				
	Accuracy	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.2%+0.25%FS				
CW Mode(Voltage and current input value \geq 10%full measurement)	Range	0-1800W 0-1800W	0-1800W 0-1800W	0-2400W 0-2400W	0-2400W 0-2400W	0-3000W 0-3000W				
	Resolution	1mW 10mW	1mW 10mW	1mW 10mW	1mW 10mW	1mW 10mW				
	Accuracy	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.1%FS				
V Measurement	Voltage	0-19.999V 0-150V	0-19.999V 0-500V	0-19.999V 0-150V	0-19.999V 0-500V	0-19.999V 0-150V				
	Resolution	1mV 10mV	1mV 10mV	1mV 10mV	1mV 10mV	0.1mV 1mV				
	Accuracy	0.015%+0.03%FS 0.015%+0.03%FS	0.015%+0.03%FS 0.015%+0.05%FS	0.015%+0.03%FS 0.015%+0.03%FS	0.015%+0.03%FS 0.015%+0.05%FS	0.015%+0.03%FS 0.015%+0.03%FS				
I Measurement	Current	0-24A 0-240A	0-12A 0-120A	0-24A 0-240A	0-12A 0-120A	0-48A 0-480A				
	Resolution	0.1mA 1mA	0.1mA 1mA	0.1mA 1mA	0.1mA 1mA	0.1mA 1mA				
	Accuracy	0.1%+0.1%FS 0.1%+0.2%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.2%FS	0.1%+0.1%FS 0.1%+0.08%FS	0.05%+0.15%FS 0.1%+0.25%FS				
W measurement (Voltage and current input value \geq 10%full measurement)	Watt	100W 1800W	100W 1800W	100W 2400W	100W 2400W	100W 3000W				
	Resolution	1mW 10mW	1mW 10mW	1mW 10mW	1mW 10mW	1mW 10mW				
	Accuracy	0.1%+0.1%FS 0.1%+0.2%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.1%FS 0.1%+0.2%FS	0.1%+0.1%FS 0.1%+0.1%FS	0.1%+0.2%FS 0.1%+0.25%FS				
Battery Measurement Dynamic Measurement CC soft-startup Time		Battery Input: 0.5-120V; Max. Measurement: Capacity=999AH; Resolution=0.1mA; Time Range=1S-16H Transition List: 0-25kHz; 5A/ μ S; T1&T2: 60 μ S-999S; Accuracy: \pm 15% offset+10% FS 1 mS; 2 mS; 5mS; 10mS; 20 mS; 50 mS; 100 mS; 200 mS Accuracy: \pm 15% offset+10% FS								
Short Circuit	Current(CC)	\approx 26.4A \approx 264A	\approx 13.2A \approx 132A	\approx 26.4A \approx 264A	\approx 13.2A 132A	\approx 52.8A \approx 528A				
	Voltage(CV)	0V	0V	0V	0V	0V				
	Resistance(CR)	\approx 6m Ω	\approx 50m Ω	\approx 6m Ω	\approx 50m Ω	\approx 3.8mOh \approx 270mOh				
Temperature	Operating	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0 ~ 40°C	0~40°C				
	Nonoperating	-10°C ~ 70°C	-10°C ~ 70°C	-10°C ~ 70°C	-10°C ~ 70°C	-10oC~70°C				
Dimension	W*H*D(mm)	207*428*453.5								
Weight	Kg	31.6								