

LXinstruments GmbH
Rudolf-Diesel-Str. 36
71154 Nufringen
Germany



TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- high - quality
- moderate prices
- excellent precision

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Technical support, services, demo & rental equipment, price information
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Tel.: +49(0)7032 / 895 93-3

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Your Power Testing Solution

IT8900A/E Series High Power DC Electronic Load

Model		IT8902A-1200-80		IT8904A-1200-160		IT8906A-1200-240	
Rated (0~40℃)	Voltage	0~1200V		0~1200V		0~1200V	
	Current	0~8A	0~80A	0~16A	0~160A	0~24A	0~240A
	Power	2kW		4kW		6kW	
CV mode	Minimum operating voltage	1.2V/8A	12V/80A	1.2V/16A	12V/160A	1.2V/24A	12V/240A
	Range	0.1~120V	0.1~1200V	0.1~120V	0.1~1200V	0.1~120V	0.1~1200V
	Resolution	10mV	100mV	10mV	100mV	10mV	100mV
CC mode	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
	Range	0~8A	0~80A	0~16A	0~160A	0~24A	0~240A
	Resolution	0.1mA	1mA	1mA	10mA	1mA	10mA
CR mode	Accuracy	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)
	Range	0.2Ω~7.5kΩ		0.1Ω~7.5kΩ		0.1Ω~7.5kΩ	
	Resolution	16bit		16bit		16bit	
CP mode	Accuracy	Vin/Rset * 0.2% + 0.2% I.F.S.		Vin/Rset * 0.2% + 0.2% I.F.S.		Vin/Rset * 0.2% + 0.2% I.F.S.	
	Range	2kW		4kW		6kW	
	Resolution	0.1W		0.1W		0.1W	
Dynamic mode ²	Accuracy ^{*1}	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
	T1&T2	20uS~3600S /Res:1 us/10ms/100ms		20uS~3600S /Res:1 us/10ms/100ms		20uS~3600S /Res:1 us/10ms/100ms	
	Accuracy	5uS±100ppm		5uS±100ppm		5uS±100ppm	
CC mode	Rising/falling slope	0.0001~0.1A/μS	0.001~1 A/μS	0.001~0.2A/μS	0.01~2 A/μS	0.001~0.3A/μS	0.01~3 A/μS
	Minimum rising time	≐30μS	≐30μS	≐30μS	≐30μS	≐30μS	≐30μS
Readback Voltage	Range	0~120V	0~1200V	0~120V	0~1200V	0~120V	0~1200V
	Resolution	10mV	100mV	10mV	100mV	10mV	100mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback Current	Range	0~8A	0~80A	0~16A	0~160A	0~24A	0~240A
	Resolution	0.1mA	1mA	1mA	10mA	1mA	10mA
	Accuracy	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)	±(0.05%+0.1%FS)
Readback Power	Range	2kW		4kW		6kW	
	Resolution	0.1W		0.1W		0.1W	
	Accuracy ^{*1}	±(0.2%+0.2%FS)		±(0.2%+0.2%FS)		±(0.2%+0.2%FS)	
	OPP	≐2.02KW		≐4.04kW		≐6.05KW	
	OCP	≐8.8A	≐88A	≐17.6A	≐176A	≐25.2A	≐252A
	OVP	≐1250V		≐1250V		≐1250V	
	OTP	≐85℃		≐85℃		≐85℃	
Short circuit	Current (CC)	≐8.8A	≐88A	≐17.6A	≐176A	≐25.2A	≐252A
	Voltage (CV)	0V		0V		0V	
	Resistance (CR)	≐150mΩ		≐75mΩ		≐50mΩ	
Input terminal impedance		≐1.8MΩ		≐1.8MΩ		≐1.6MΩ	
Height		4U		4U		4U	
Weight		28.8Kg		34.7Kg		40 Kg	
AC input	Voltage	100~240Vac		100~240Vac		100~240Vac	
	Frequency	50/60Hz		50/60Hz		50/60Hz	
	Power	150VA max		200VA max		250VA max	

*1 Power F.S. = Vrange F.S. * Irange F.S.

*2 Loading current value is not less than 4%FS_CCH

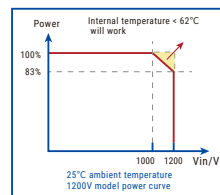


Figure 1