



OEL15/30 Series

Programmable DC electronic load

Key Features:

- + Compact size, portable and movable high-performance programmable electronic load
- + 2.8-inch TFT color LCD display
- + Four operation modes: Constant Voltage (CV), Constant Current (CC), Constant Resistance (CR), Constant Power (CP)
- + Supports dynamic current testing up to 5kHz
- + High resolution readback: 1mV / 0.1mA
- + Supports remote sensing compensation
- + Multiple protections including OVP / OCP / OPP / OTP
- + Standard interfaces: RS232 and RS485 with SCPI protocol support
- + Optional test functions: Battery Discharge Test, OCP Test, OPP Test (Order No.OEL-T1)

Model	Voltage	Current	Power	Min. Operate Voltage	Interface
OEL1515	0 - 150V	0 - 15A	150W	0.8V @ 15A	RS232, RS485, USB Device support SCPI
OEL3015	0 - 300V				
OEL1520	0 - 150V	0 - 20A	300W	0.9V @ 20A	
OEL1530		0 - 30A		1.1V @ 30A	
OEL3020	0 - 300V	0 - 20A		0.9V @ 20A	
OEL3030		0 - 30A		1.1V @ 30A	

The instrument must be operated continuously for more than 30minutes at the specified temperature to ensure the following parameters.

Model		OEL1515	OEL1520	OEL1530	OEL3015	OEL3020	OEL3030
Rated Output	Voltage	0 - 150V			0 - 300V		
	Current	0 - 15A	0 - 20A	0 - 30A	0 - 15A	0 - 20A	0 - 30A
	Power	150W	300W		150W	300W	
Min. Operate Voltage		0.8V @ 15A	0.9V @ 20A	1.1V @ 30A	0.8V @ 15A	0.9V @ 20A	1.1V @ 30A
CV Mode							
Range		0 - 150V			0 - 300V		
Resolution		1mV			1mV		
Accuracy		0.05% + 0.05%FS			0.05% + 0.05%FS		
CC Mode							
Range		0 - 20A		0 - 40A		0 - 40A	
Resolution		1mA		1mA			
Accuracy		0.03% + 0.03%IFS		0.03% + 0.03%IFS			
CR Mode							
Range		0.05Ω - 7.5kΩ			0.05Ω - 7.5kΩ		
Accuracy *1		0.1% + 0.01%R			0.1% + 0.01%R		
CP Mode							
Range		150W	300W		150W	300W	
Resolution		10mW			10mW		
Accuracy*1		0.1% + 0.1%FS			0.1% + 0.1%FS		
Dynamic Mode							
T1&T2		0.1ms - 50s			0.1ms - 50s		
Rise/Fall Slope		0.01A/ms - 2000A/ms			0.01A/ms - 2000A/ms		
Min. Rise Time		20μs			20μs		
Voltage Readback							
Range (V)		0-15V / 0-150V			0-30V / 0-300V		
Resolution		1mV			1mV		
Accuracy		0.03% + 0.05%FS			0.03% + 0.05%FS		
Current Readback							
Range		0 - 15A	0 - 20A	0 - 30A	0 - 15A	0 - 20A	0 - 30A
Resolution		0.1mA			0.1mA		
Accuracy		0.03% + 0.03%FS			0.03% + 0.03%FS		
Power Readback							
Range		150W	300W		150W	300W	
Resolution		10mW			10mW		
Accuracy		0.1% + 0.1%FS			0.1% + 0.1%FS		
Protection							
Overpower Protection		>OPP, 10ms delay protect			>OPP, 10ms delay protect		
Overvoltage Protection		>OVP, 0.1ms delay protect			>OVP, 0.1ms delay protect		
Overcurrent Protection		>OCP, 0.1ms delay protect			>OCP, 0.1ms delay protect		
Overtemperature		85℃			85℃		
Optional function		Battery Discharge Test, OCP Test, OPP Test, (Oredr NO. OEL-T1)					
Input Power		100V - 240Vac ; 50Hz / 60Hz					
Interface		RS232, RS485, USB Device, SCPI support					
Heat Dissipation		Internal intelligent fan with forced air cooling					
Withstand Voltage		1.5KV / AC / 5mA					
Dimension (W x H x D)		84mm * 151mm * 283mm					
Device Weight		≈ 2.5kg					

Specifications subject to change without prior notice.