

D.C. Electronic Load



PEL-300



The PEL-300 is a single channel, 300W, programmable DC electronic load. OVP, OCP, and OPP protect the PEL-300 from unexpected load conditions. The PEL-300 DC electronic load complies with major safety standards such as UL, CSA, and IEC to ensure safety. A high resolution of 20mV, 0.2mA and 0.33mΩ (CV, CC, CR mode) ensures accurate load measurements. Sequence programming is simplified with save and recall options as well as extensive timer settings. It has self-test and software calibration features to reduce maintenance overhead. The PEL-300 is suitable for laboratory and production line applications, where safety and reliability are the top priorities.

FEATURES

- * Operating Voltage DC 3 ~ 60V
- * Operating Current 6mA ~ 60A
- * Operating Power 1 ~ 300W
- * Easy Operation with UP/DOWN Key
- * High Resolution : 20mV, 0.2mA, 0.33mΩ
- * Over Voltage, Over Current, Over Power Protection
- * 100 Sets Memory
- * Operation Mode : Constant Voltage Mode ; Constant Current Mode ; Constant Resistance Mode
- * Transient Generator Frequency Range : 1Hz ~ 1kHz ; Duty Range : 10% ~ 90%
- * Self-Test and Software Calibration

SPECIFICATIONS

RATING	
Operating Voltage	DC 3 ~ 60V
Current	6mA ~ 60A
Power	1 ~ 300W
Minimum Operation	3V
CV MODE	
Operating Range	DC 3 ~ 60V
Setting Accuracy	± (0.1% + 40mV)
Setting Resolution	20mV
CC MODE	
Operating Range	6mA ~ 60A
Setting Accuracy	± (0.5% + 100mA) for 6.02A ~ 60A ± (0.1% + 10mA) for 0.602A ~ 6A ± (0.1% + 1mA) for 6mA ~ 0.6A
Setting Resolution	20mA for 6.02A ~ 60A 2mA for 0.602A ~ 6A 0.2mA for 6mA ~ 0.6A
CR MODE	
Operating Range	50mΩ ~ 1kΩ
Setting Accuracy	± (5% + 1Ω) for 100.33Ω ~ 1kΩ ± (5% + 100mΩ) for 10.033Ω ~ 100Ω ± (5% + 10mΩ) for 1.0033Ω ~ 10Ω ± (5% + 1mΩ) for 50mΩ ~ 1Ω
Setting Resolution	330mΩ for 100.33Ω ~ 1kΩ 33mΩ for 10.033Ω ~ 100Ω 3.3mΩ for 1.0033Ω ~ 10Ω 0.33mΩ For 50mΩ ~ 1Ω
DYNAMIC OPERATION CC MODE ONLY	
Frequency Range	1Hz ~ 1kHz
Resolution	5Hz for 100Hz ~ 1kHz ; 0.5Hz for 10Hz ~ 100Hz 0.05Hz for 1Hz ~ 10Hz
Duty Range	10% ~ 90%
Resolution	1%
VOLTAGE READBACK	
Accuracy	± (0.1% + 60mV)
Resolution	20mV
CURRENT READBACK	
Accuracy	± (0.5% + 100mA) for 6.02A ~ 60A ; ± (0.1% + 10mA) for 0.602A ~ 6A
Resolution	± (0.1% + 1mA) for 6mA ~ 0.6A 20mA for 6.02A ~ 60A ; 2mA for 0.602A ~ 6A 0.2mA for 6mA ~ 0.6A
MEMORY	
Store/Recall	100 sets
TIMER	
Range	1 second ~ 999 minutes 59 second
Resolution	1 second
Function	for load on
POWER SOURCE	
AC100V/120V/220V/240V±10%, 50/60Hz	
DIMENSIONS & WEIGHT	
255(W) x 145(H) x 346(D) mm, Approx. 9kg	

ORDERING INFORMATION

PEL-300 300W DC Electronic Load

ACCESSORIES :
User manual x 1, Power cord x 1

OPTIONAL ACCESSORIES

GRA-401 Rack Adapter Panel