

Programmable Electronic Load

GW INSTEK

PEL-300



- Operating Power Up To 300W.
- Operating Voltage: 3 ~ 60Vdc, Current: 6mA ~ 60A.
- Dynamic Mode: 1Hz ~ 1kHz; Duty: 10% ~ 90%.
- Constant V/I/R Modes.

		PEL-300
Rating	Operating Voltage Current Power Minimum Operation	DC 3 ~ 60V 6mA ~ 60A 1 ~ 300W 3V
CV Mode	Operating Range Setting Accuracy Setting Resolution	DC 3 ~ 60V $\pm (0.1\% + 40mV)$ 20mV
CC Mode	Operating Range Setting Accuracy Setting Resolution	6mA ~ 60A 6.02A ~ 60A Range, $\pm (0.5\% + 100mA)$ 0.602A ~ 6A Range, $\pm (0.1\% + 10mA)$ 6mA ~ 0.6A Range, $\pm (0.1\% + 1mA)$ 6.02A ~ 60A Range, 20mA 0.602A ~ 6A Range, 2mA 6mA ~ 0.6A Range, 0.2mA
CR Mode	Operating Range Setting Accuracy Setting Resolution	50m Ω ~ 1k Ω 100.33 Ω ~ 1k Ω , $\pm (5\% + 1\Omega)$ 10.033 Ω ~ 100 Ω , $\pm (5\% + 100m\Omega)$ 1.0033 Ω ~ 10 Ω , $\pm (5\% + 1m\Omega)$ 50m Ω ~ 1 Ω , $\pm (5\% + 1m\Omega)$ 100.33 Ω ~ 1k Ω , 330m Ω 10.033 Ω ~ 100 Ω , 33m Ω 1.0033 Ω ~ 10 Ω , 3.3m Ω 50m Ω ~ 1 Ω , 0.33m Ω
Dynamic Operation (CC Mode Only)	Frequency Range Resolution Duty Range Resolution	1Hz ~ 1kHz 105Hz ~ 1kHz Range, 5Hz 10.5Hz ~ 100Hz Range, 0.5Hz 1Hz ~ 10Hz Range, 0.05Hz 10% ~ 90% 1%
Voltage Readback	Accuracy Resolution	$\pm (0.1\% + 60mV)$ 20mV
Current Readback	Accuracy Resolution	6.02A ~ 60A Range, $\pm (0.5\% + 100mA)$ 0.602A ~ 6A Range, $\pm (0.1\% + 10mA)$ 6mA ~ 0.6A Range, $\pm (0.1\% + 1mA)$ 6.02A ~ 60A Range, 20mA 0.602A ~ 6A Range, 2mA 6mA ~ 0.6A Range, 0.2mA
Memory	Store / Recall Points	0 ~ 99
Timer	Range Resolution Function	1 sec ~ 999 min 59 sec 1 sec for load on
Power Source		AC100V / 120V / 220V / 240V $\pm 10\%$, 50/60Hz
Accessories		Power Cord x 1, Instruction Manual x 1
Dimensions		255mm (W) x 145mm (H) x 346mm (D)
Weight		9kg