
c $\epsilon$ USB

GW Instek launches new PEL-3000E series programmable single-channel electronic load. In the series, PEL-3031E provides 300W (1V~150V/60A) and PEL-3032E provides 300W ( $2.5 \mathrm{~V} \sim 500 \mathrm{~V} / 15 \mathrm{~A}$ ) current sink capability. Inherited from the PEL-3000 series, PEL-3031E has an easy-to-read LCD panel and user-friendly interface. This model features high speed and accurate measurement capability for electronic component, battery, portable charger and power products that require low to medium power consumption.

PEL-3000E series is not only ideal for charger/adaptor manufacturers with the requirements of over 60 mA constant current load and measurement applications, but also for manufacturers of various power supply components and portable charging devices which demand the standby power consumption greater than 60 mA . For manufacturers who require charger/adaptor with the constant current load and measurement applications lower than 60 mA , we recommend the PEL- 3000 series which has three current levels to meet low power consumption application requirements.

## SOFT START



The soft start setting is used to limit the amount of input current at start-up. It can increase test reliability \& stability.

## SEQUENCE FUNCTION



When operating the Sequence Function, PEL-3031E follows the time and load settings of step1, step2, step3, etc. so as to realize different load current variation.


Ramp function of PEL-3000E is able to set the current transition. When turned on, the current takes on a slope form; when turned off, the current takes on a step form.

## PEL- 3000E Series

## FEATURES

- 1~150V(PEL-3031E)Min. Operating Voltage(dc): 1 V at $60 \mathrm{~A}, 0.5 \mathrm{~V}$ at 30 A
2.5~500V(PEL-3032E)Min. Operating Voltage(dc):2.5V at 15A, 1.25 V at 7.5 A
- 7 Operating Modes: CC, CV, CR, CP, CC $+C V, C R+C V, C P+C V$
- Normal Sequence Function: Max Steps: 1000 steps/Step Time:1ms~999h 59min 59s(3599940 sec)Fast Sequence Function: Max Steps:1000 steps/Step Time:25us~600ms


## - Soft Start

- BATT Test Automation:Max Test Time:999h: 59min 59 s (3599940 sec):Max Test AH:9999.99Ah
- OCP, OPP Test Automation
- Max. Slew Rate: 2.5A/ $\mu \mathrm{s}$
- Dynamic Mode
- Protection: OVP, OCP, OPP, OTP, RVP, UVP
- Remote Sense
- Integrate Voltage, Current and Power Measurement Functions
- External Voltage or Resistance Control
- Rear Panel BNC, Trigger IN/OUT
- Analog External Control
- USB/GPIB(Optional)



## APPLICATIONS

- Product's Output Characteristics Assessment For Power Supplies
- Battery Discharge Tests
- Quality Verification And Susceptibility Tests For Electronic Components Such as Power Switch, Relay, Connector, And Fuse, Etc.
- Diode Characteristics Tests Such as LED
- High Voltage Solar Panel And LED Driver


