

Description

This new series of low noise, good voltage & current regulation precision laboratory grade linear supply merges with the advanced MCU control and PC interface via USB and optional Ethernet.
It is ideal for noise sensitive applications; communication, audio visual, measuring devices. The MCU control with 10 Step Wave Form generator with cyclic operation makes working & testing DUT ever so convenient.

The large LED display shows the vital status & the two 4 digit voltage and current meters .
The variable output has 10mV and 1mA resolution.
There are 3 user defined presets in the responsive Touch-Feel screen.
There are 3 isolated fixed voltage outputs and a main variable output with rotary encoder volumes.
An output On-Off switch makes setting the output values safer and easier.
The cyclic waveform generation is programmable and operated using front panel controls without PC.

It is bundled with the PC Control software, USB drivers, SCPI command sets for remote control programming, monitoring, and data logging or integration with test instruments via SCPI.

Features

- Remote programmable & 10 LIST point waveform generator.
- On Front Panel setting of :
 1. Upper Voltage Limit & Upper Current Limit.
 2. Programming & operation of waveform generation.
 3. Power Up output off or output as the last state before shut down.
 4. Brightness adjustment of LED display.
 5. Timeout duration of voltage & current display.
 6. USB or optional Ethernet selection.
 7. Factory Reset.
- Three user defined Presets with the Touch-Feel panel keys.
- Two isolated fixed outputs with three voltage 3.3V or 5V selection and 12V@0.8A.
- One variable output: 0.1V-32V / 0-3.5A by rotary encoder step decimal tuning.
- User defined Upper Voltage Limit (UVL) and Upper Current Limit (UCL).
- Resolution : 10mV & 1mA with 4digit displays [0.000].
- Output On-Off switch.
- 115VAC or 230VAC selection.
- Smart cooling fan speed control from zero to full speed.



* All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.
* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

Specifications

Models	NEP-8186	NEP-8323
Variable Output Voltage	0.1-18VDC	0.1-32VDC
Variable Output Current	0.01-6A	0.01-3.5A
Voltage Regulation		
Load (10-90% Rated Current)	≤10mV	
Line (±5% Variation)	≤5mV	
Current Regulation		
Load (10-90% Rated Voltage)	≤5mA	
Line (±5% Variation)	≤5mA	
Ripple & Noise (r.m.s.)	≤5mV	
Auxiliary Fix Output		
Aux. 1 Output	12VDC 0.8A	
Aux. 2 Output	5VDC/ 3.3VDC (selectable) 0.8A	
Tracking Over Voltage Protection	O/P ≤10V: set voltage +1V O/P >10V: set voltage x115%	
Voltage Setting Resolution	10mV	
Current Setting Resolution	1mA	
Meter Type & Accuracy		
Voltage Meter	4digit LED Display (±0.5% +5digit <10V) (±0.5% +2digit ≥10V)	
Current Meter	4digit LED Display (±0.1% +5digit)	
Input Voltage	115/ 230VAC (selectable) 50/60Hz~	
Full Load Input Current	≤1.1A	
Cooling Method	Thermostatic Control Fan (0 to full speed)	
Protections	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature	
Special Feature	3 User defined V & I preset, Remote Control V, I & Output on-off	
Preset Cycle Programming	10 steps waveform generator, max. preset cycle 999	
Command Set	SCPI	
Communication Types	USB (bundle); Ethernet (Optional)	
Approvals	CE EMC: EN 55011 LVD: EN 61010	
Dimension (WxHxD)	151x132x240 mm 5.9x5.1x9.4 inch	
Weight	5 kgs 13.4 lbs	

Accessories



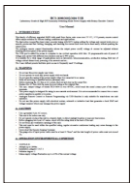
AC Power Cord



Output cable with right angle safety plug and crocodile clip



USB Cable



Quick Start Guide

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