

## Description

This new series of low power, low current, high precision laboratory grade analogue Linear mode supply merges with the advanced MCU control and PC interface via USB and optional Ethernet is ideal for working & testing with digital electronics, mobile devices and other low power devices.

The large LED display shows the vital status & the two 4 digit voltage and current meters.

The variable output has 10mV and 10mA 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.

It is bundled with the following programs, drivers, App and command sets

- PC Control software
- USB drivers
- SCPI command sets

## Specifications

Models	NEP-8186	NEP-8323
Variable Output Voltage	0.1 - 18VDC	0.1 - 32VDC
Variable Output Current	0 - 6A	0 - 3.5A
<b>Voltage Regulation</b>		
Load (10-90% Rated Current)	≤10mV	
Line (±5% variation)	≤5mV	
<b>Current Regulation</b>		
Load (10-90% Rated Voltage)	≤5mA	
Line (±5% Variation)	≤5mA	
Ripple & Noise (r.m.s.)	≤5mV	
<b>Auxiliary Fix Output</b>		
Aux. 1 Output	12VDC, 0.8A	
Aux. 2 Output	5VDC/3.3VDC (selectable)	
Tracking Over Voltage Protection	O/P ≤10V: set voltage +1V O/P >10V: set voltage x115%	
Voltage Setting Resolution	10mV	
Current Setting Resolution	10mA	
<b>Meter Type &amp; Accuracy</b>		
Voltage Meter	4 Digit LED Display (±0.5% +5digits <10V) (±0.5% +2digits ≥10V)	
Current Meter	4 Digit LED Display (±0.1% +5digits)	
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	
Presets Cycle Programming	10 steps waveform generator Max. preset cycle 999	
Commend Set	SCPI	
Communication Types	USB (bundle) ; Ethernet (Optional)	
Approvals	CE EMC EN 55011 LVD EN 61010	
Dimensions (WxHxD)	151x132x240mm 5.9x5.1x9.4inch	
Weight	5kgs 13.4lbs	



## Features

- Remote programmable & waveform generator via USB or optional Ethernet.
- 3 user defined Preset with the Touch-Feel panel keys.
- User defined Upper Voltage Limit(UVL) and Upper Current Limit(UCL).
- 2 isolated fixed outputs 3.3V/ 5V and 12V @0.8A.
- One variable output: 0.1V-32V/ 0-3.5A by rotary encoder step decimal tuning.
- Resolution: 10mV & 10mA with 4 digit displays [0.000].
- Output On-Off switch.
- 115V AC or 230V AC selectable.
- Smart cooling fan speed control from zero to full speed.