

AC Power Monitor for Long-term Data Collection/Analysis

NuOutlet-LN OVERVIEW

Facing the raising awareness of “energy conservation and carbon emission reduction”, manufacturers/producers encounter the issues of how to measure the power consumption of their electric products. With suitable measuring instruments, manufacturers/producers can get the accurate testing data, and therefore reducing the cost for product development. NuOutlet-LN is designed for information collection of power parameters in order to be checked and analyzed directly from the outlet power of NuOutlet-LN or remotely across a network.



NuOutlet-LN can gather long-term power measurements from the DUT (Device under Test) for RMS Voltage (Volt), RMS Current (Amp), Active Power, AC Frequency (Hz), Temperature (Celsius), Peak Voltage (Volt) and Peak Current (Amp). In addition, NuOutlet-LN's functions can also be controlled directly or remotely across a network.

It is simple to connect the DUT to NuOutlet-LN by either inputting IP address directly or using NuDiscover to find first. Besides, 3 levels of overload protection enhance to prevent the DUT from damages in case of voltage changes. With NuOutlet-LN's wide range of default settings, users do not need to set parameters for power tests manually.

Moreover, NuOutlet-LN can save and load log files automatically/manually for further data gathering and interpreting. NuOutlet-LN's Chart contains all information including Device name, IP addresses in Hex, Alarm control, Power controls, Voltage thresholds, current thresholds, actual power thresholds, saved logs and intervals and Switch status.

KEY FEATURES

- 3 Levels of Overload Protection
 - Software- Alarm Threshold Setting
 - Internal Breaker
 - Power Fuse
- Detection Measure
 - RMS Voltage (Volt)
 - RMS Current (Amp)
 - Active Power (Watt)
 - Power Factor
 - Peak Voltage (Volt)
 - Peak Current (Amp)
- Cycle Reboot Configuration of the DUT in 3 modes
 - Burst
 - Continue
 - Multi-Burst
- Up to 1 time/second for power reboot count.
- Crossing mode to set on power at specific AC phase.
 - 0 ~ 270 degree crossing mode
 - Free run crossing mode (any point)
- Accuracy to $\pm 0.1\%$
- LCD Display
- Connectivity
 - Input IP address directly through NuOutlet-LN window
 - NuDiscover finds all connected devices
- Security: username and password with encryption
- Remote and local control with automatic configuration
- History log and instant display
- Network Interface
 - 10/100Base-T with Full/Half duplex mode
- Expansion: cascaded through Ethernet port without amount limitation
- Internet Gateway IP Mode
 - Static
 - DHCP client (for automatic IP assignment)

KEY BENEFITS

- Long-term information collection of multiple power parameters
- Wide range of power input, no need for additional settings
- User self-defined Voltage, Current, and Active Power caution conditions
- Ability to directly disconnect outlet power, no need to purchase additional switch outlet
- Compact size, easy to carry
- Relay Count up to 10,000

MAIN APPLICATIONS

- R&D Test
- AC power monitoring applications
- Troubleshooting
- Function validation test
- Quality assurance test
- Manufacturing test

SUPPORTING SOFTWARE

- NuDiscover
- NuOutlet-WIN

SPECIFICATION

Interface Ports	
➤ RJ45 Ethernet Phone Jack × 1	➤ IEC-320 C13 INLET × 1
➤ IEC-320 C20 OUTLET × 1	
Communication	
Ethernet Interface Connection	
Power	
Outlet Power Supply	600 W Maximum
Power Source	90 ~ 250 V AC; 50 ~ 60 Hz
Power Counter for Main Voltage	120VAC 5A, 240VAC 2.5A, 220VAC 2.7A, 100VAC 6A, (600W maximum)
Power Consumption	5 W (110V/ 220V)
Hardware	
Temperature	➤ Operating: 0°C~ 45°C (32°F~ 113°F) ➤ Storage: 0°C~ 50°C (32°F~ 122°F)
Humidity (non-condensing)	10% ~ 90% RH
Dimension	188.5 mm x 86.8 mm x 34.2 mm
Net Weight	Approx. 640g

RELATED PRODUCTS

NuDC-4U:

DC Power Monitor.
Support up to 4 channels of DC power monitoring rails.



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