

The Explorer Energy Monitor

ENERGY MONITORING SERIES



PROJECT INFORMATION

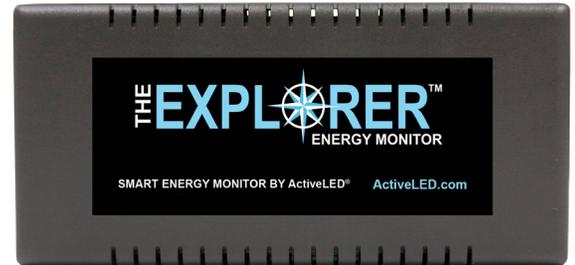
Project Name _____

Catalog No. _____ Date _____

DESCRIPTION

The Explorer Energy Monitor by ActiveLED is a user programmable device that allows for the monitoring of a building's electricity usage in real time via ethernet or a browser enabled smart phone, tablet or desktop computer. Colorful graphs and reports allow the user to explore ways to better manage their energy usage and thereby find ways to save money on their electricity bill. The Explorer Energy Monitor can also send user defined email alarms that alert the user of power failures, brown-outs and over voltage events.

The Explorer Energy Monitor is available in both commercial and residential versions.



The Explorer Energy Monitor

INCLUDED COMPONENTS



The Explorer Energy Monitor (qty. 1)

Voltage Clamp Harness* (qty. 1)

Current Transformer Clamps* (qty. 1-3)

Utility Disk (Not Shown)

* Number and size of clamps are determined by the application and the Explorer model ordered.

MOUNTING OPTIONS



Low Profile, Lockable Wall Mount Enclosure
Part #: 00-56-15280020



FEATURES

- Monitors power usage on up to 3 separate power phases¹
- Live monitoring over Wireless or Ethernet connection²
- Informative Real-time readings in colorful, easy to read graphs, including:
 - Load views in Voltage, Current, and kW
 - Sine wave of current line conditions (Voltage)
 - Accumulated power usage per phase or in total
- Reports generated in text or XLS format for:
 - Last 24 hours, last 7 days, last 31 days, and current year.
- Stores power data both internally and externally:
 - Internally store up to 8 years of data on Internal FLASH
 - Externally store data to either an included 2GB USB Flash Drive or via Ethernet
- Six user defined e-mail alarms for power failures, brown-outs and over voltage
- Real Time Clock (RTC) with battery backup
- Direct or Ringdale Power over Ethernet (POE) enabled
- No Separate Fees: All data is inclusive to device and does not require a data subscription service

¹ Determined by the application and the Explorer model ordered.

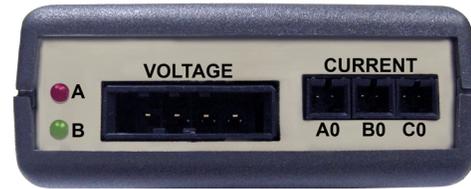
² Wireless available on wireless Explorer models only.



TECHNICAL DATA

Power Supply	External All Voltage, Input 12 volt DC, 1A Supply
Power Consumption	3 Watts
Operating Temperature	-40°C (-40°F) to 85°C (185°F)
Network Type	Ethernet 10/100baseTx, RJ-45
Minimum System Requirements	Internet Explorer Version 10 or higher.
Channel Input Voltage	0.480 Volts AC (RMS)
Data Collection	Internally, USB Thumb Drive or via Ethernet to a PC running application.
Product Content	DataLogger 150A current transformers, qty 3 CD with management software (Utility Disk)
Dimensions	6.5" (L) x 3" (W) x 1 15/16" (H) (16.51 x 7.62 x 7.36 cm)
Weight	8 oz.

SIDE VIEW



The ActiveLED® Explorer Energy Monitor Pro accept a current transformers from 10A to 1500A per phase with 1, 2 or 3 150A - 333mV current transformer* that can be used in applications not exceeding 300A. The transformer connects directly to a 480-V 3 phase supply, 3 individual single phases, or a 240-(2 x 120-V Anti-phase) feed requiring adherence to the safety standards of BS, TUV, UL and CSA.

* Number and size of clamps are determined by the application and the Explorer model ordered.

WARRANTY AND CERTIFICATIONS

Five (5) Year Warranty- The ActiveLED® Explorer Energy Monitor shall conform to its published specifications under normal usage and operating conditions

SYSTEM REQUIREMENTS

Internet Explorer 10 or higher. Browsers include Google, Chrome, Safari, and other HTML5 and Java compatible browsers.

ORDERING INFORMATION

Example: 00-11-0568-UNV-PW

Device	Power Brick	Model	Options
00-11-0568	UNV		
00-11-0568 The Explorer Energy Monitor	UNV Universal Power Supply (United States/ Germany/UK/ Australia)	P Pro U U.S. Home L Lite (International Residential)	W Wifi (Wireless Functionality) (Blank) (None)

Pro - 3 Channel

U.S. Home - 2 Channel

Lite - 1 Channel