



Energy Information Made Obvius

PRODUCT DATASHEET

AcquiSuite+

Data Acquisition Server with Integrated Power Meter

ACQUISUITE+ A8814

Obvius' AcquiSuite+ is more than a flexible data acquisition server; it is an intelligent data logger, power meter and web server all in one. The AcquiSuite+ significantly reduces installation time and cost. The AcquiSuite+ offers an integrated power meter that can monitor a wide range of loads and a full color touchscreen LCD for data visualization and easy set up. The AcquiSuite plus is expandable via Modbus RTU and Modbus TCP. With Obvius' wide range of Modules, BACnet and other protocols can be supported on the same device.

DATA COLLECTION

The AcquiSuite+ collects and logs data on user selected intervals. Data from downstream devices stored locally in non-volatile memory until the next scheduled upload or manual download. Using an Ethernet (LAN) connection you can push or pull data via HTTP, XML, FTP or any custom protocol utilizing our AcquiSuite Module to build your own application, including integrated cellular communication options.

INSTALLATION & FEATURES

The AcquiSuite+ significantly reduces installation time and cost by deriving power from the voltage reference, which eliminates the need for an external power supply. Also, no additional software is required and basic set up can be performed through the intuitive full color touchscreen LCD interface.

COMPATIBILITY

The AcquiSuite+ is compatible with nearly any front-end software platform allowing customers to use a variety of reporting tools; whether it's a local server or an enterprise wide reporting suite. Obvius offers a free utility for automated .CSV file downloads or an affordable hosted solution for \$195.00 annually (unlimited data storage).

PARTNERS

Obvius' outstanding integration and software partners supplement our products and services to ensure you receive the very best energy monitoring solution.

APPLICATIONS

- Measurement and verification (M&V)
- Reduce energy costs
- Access energy information from local or remote sites
- Benchmark building energy usage
- View "real time" performance data
- Track energy use and peak demand for Demand Response programs
- Monitor performance of critical systems (lighting, HVAC, PDUs, inverters, etc.)
- Alarm notification for data points above or below target levels (including SNMP Traps)
- Monitor renewable energy performance and production
- Push or pull meter data to energy dashboards, kiosks and software applications
- LEED / Energy Star certification



ABOUT OBVIUS

Obvius manufactures data acquisition and wireless connectivity products specifically for energy management. We deliver cost-effective, reliable hardware designed to speed up installation. Our products are based on an open architecture allowing our customers to collect and log energy information from virtually any meter or sensor. The ability to support multiple communication options provides remote access to all your energy information. Founded in 2003, Obvius is located in Hillsboro, Oregon. We serve a global clientele and continue to drive innovation by simplifying data collection.

SOLUTIONS

- Data Acquisition
- Wireless Communication
- Meters & Sensors
- Custom Packaged Solutions
- Integration & Software Partners

HEADQUARTERS

Hillsboro, Oregon

CONTACT US

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AcquiSuite+

Obvius helps customers collect and distribute energy information. Users can begin with one best-of-breed product that satisfies a requirement, or incorporate several products and services for a complete energy management solution.

Specifications

Processor	ARM9 embedded CPU, ARM7 meter board
Operating System	Linux 2.6
Memory	32 MB RAM
Flash ROM	16 MB NOR Flash
Interval Recording	1 to 60 minutes, user selectable (default 15 minutes)
LEDs	Ethernet, Modbus TX/RX, power, alarm
Console	TFT Touch Screen
Isolation	RJ45 Ethernet and RS485 port are isolated
Serial Port	Supports up to 32 external devices (expandable)

Meter Inputs

Input Voltage	208-480VAC Three Phase, 50/60 Hz; 120, 240, 277VAC Single Phase, 50/60 Hz
Input Current	.333V, 1V
CT's	100, 200, 400, 600, 1000A (contact Obvius sales for other amperages)
Serial Port	Modbus

Accuracy

System Accuracy	'+/- 1% @ full scale
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Communications

Protocols	Modbus/RTU, Modbus/TCP, BACnet IP, TCP/IP, PPP, HTTP/HTML, FTP, NTP, XML, SNMP-Trap
LAN	RJ45 10/100 Ethernet, full half duplex, auto polarity
Baud Rate	9600, 19200, 38400, 57600, 115200

Environment

North America	-30 to +50C, 95% RH, non-condensing
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Codes and Standards

FCC	CFR 47 Part 15, Class A, EN 61000, EN 61326
CE	Compliant
UL	61010 Listed
ANSI	Conforms to all applicable standards of ANSI C12.1



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