

# MeterNOW™

## Remote Power Monitoring

MeterNOW provides stationary and portable monitoring of electrical power and other utilities using Schneider Electric POWERLOGIC® Enercept and POWERLOGIC® Energy Meter equipment.

Using powerful FactoryNOW™ technology, MeterNOW provides “instant on” capabilities for temporary or permanent monitoring and management of your electrical distribution system. With no need for complex networking, software installation, or other infrastructure buildout, MeterNOW uses the FactoryNOW cellular broadband or satellite communications infrastructure to send real time metering data and power quality information to our secure servers. Software, hosted remotely in the FactoryNOW Secure Data Center, collects, reports, and analyzes utility information. You receive reports via a web site, through email, or text alert messages in a variety of formats including native spreadsheet files.

Unlike other proprietary systems, a MeterNOW interface can monitor multiple types of utilities, as well as monitoring of related control equipment.

The optional FactoryNOW Mobile Clipboard™ can provide manual data entry by mobile workers through a PDA and cell phone.



Clamp-on technology of the Schneider Electric Enercept allows a portable MeterNOW interface to immediately collect and transmit information. This is especially useful for temporary monitoring or performing surveys.



**FactoryNOW Information Systems, LLC**  
**www.FactoryNOW.com**  
**(317) 873-0021**



Reports and analysis from MeterNOW can be completely customized, from a single remote site to hundreds of meters throughout an enterprise. Utility information can be easily integrated from our servers directly into your business systems.

MeterNOW is provided as a managed service, since many companies find it cost effective to use our existing infrastructure and wireless cellular and satellite network on a subscription basis. You may purchase your own meters, or rent/lease MeterNOW on a short or long term basis. We manage the infrastructure end-to-end, while you pay only for the valuable business benefits received, with minimal capital investment.



## MeterNOW Applications

- Energy Management
- Performance Contracting
- Submetering
- Activity based costing
- Energy Audits
- Real Time power monitoring
- Motor Control Center monitoring
- Capacity Planning
- Preventive Maintenance
- Troubleshooting power problems

## Technical Specifications

- Voltage.....110 to 480VAC rms
- Phases.....1 or 3
- Frequency.....50/60hz
- Primary Current.....up to 2400 amps continuous per phase
- Temperature Range.....0-50 C
- Humidity Range.....0-95%
- CT ranges ( 208-480v)  
100,300,400,800,1600,2400 amps/phase
- CT ranges ( 110-240v)  
100,200,400,800,1600, amps/phase
- Display...4 line backlit LCD with function keys
- Network interfaces..cellular GPRS, wifi 802.11, hardwired Ethernet.

## Data Logging

Monitored parameters and events are logged within MeterNOW in real time at definable intervals from 1 second to 1 hour. These parameters are available through the local display, and through the local network interface in real time.

Data transfers from MeterNOW to reporting server can be set at intervals from 5 minutes to once daily, providing semi-real time or summary reporting.

## Monitored Parameters

- kWh, Consumption
- kW, Real power
- kW demand
- kVAR, Reactive power
- kVA, Apparent power
- Power Factor total
- Average kW
- Minimum kW
- Voltage, line to line
- Voltage, line to neutral
- Amps, Average current
- kW, per phase
- Power Factor, per phase
- Voltage, phase to phase
- Voltage, phase to neutral
- Current, per phase

Parameters will vary depending on specific model of power transducer

## Reports

Reports are available via the FactoryNOW remote monitoring service from our secure servers, in the form of web pages, spreadsheets, or downloadable CSV data files.

Direct interface to the SQL database is also available for custom reporting needs.

### Status Report

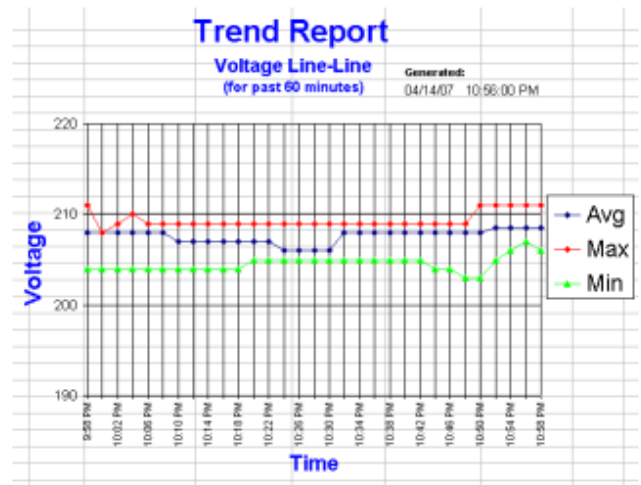
Snapshot value of primary parameters at a point in time.

### Trend Log

Selected parameters vs time

### Event Log

Timestamped events (phase loss, over/under voltage).



## Lease/Rental Units

MeterNOW units are available for short term rental or longer term lease. Reporting service is available on a subscription basis. Fixed/permanent installation models are also available.

## Ordering Information

MeterNow is configured for your specific monitoring needs. Call your FactoryNOW sales representative today, for more information or a demonstration of MeterNOW.



**FactoryNOW Information Systems, LLC**

**www.FactoryNOW.com**

**(317) 873-0021**