

pSens v3

Energy meter / analyser / logger



pSens is a combination of 3 flexibles and a central computing module on which the 3 line voltages are connected as well. The current sensors can be clicked very easily around the cables to be measured, which brings a significant cost reduction in installation, compared with the conventional measuring systems. This can even be done without power shut down. Furthermore, pSens is very compact and flexible, which makes it deployable in any location. The measuring error is below 1% of the measurement range.

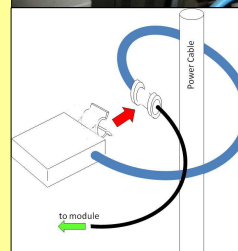


pSens has a memory of 1 year, but also generates pulses per xWh, and this way can be connected to PLCs, meters, data loggers, etc.

Furthermore there is a network connection provided, which allows you to visualize tensions, currents, powers, harmonics etc of each phase, or read the data from the log-memory.

There's an extra memory for registration of DIP's, transients and other waveforms.

- No more current transformer !!!
- Small.
- Easy and fast mounting.
- Removable.
- Range upto 3000A.
- Mounting possible while powered
- Accurate.
- puls output /per xWh
- network communication
- 3 coil lengths, 200mm, 400mm and 500mm
- Special version with TI till 5, 50 or 100A
- LOG memory 10 year
- Read by Webbrowser and/or WinWatt
- 3 sensors can be exchanged by a RJ11 connector
- 4 extra digital in- or outputs
- Bidirectional



Built-in webpages

Connect the logger to the LAN, or directly to your PC via a network cable with RJ45 connectors.

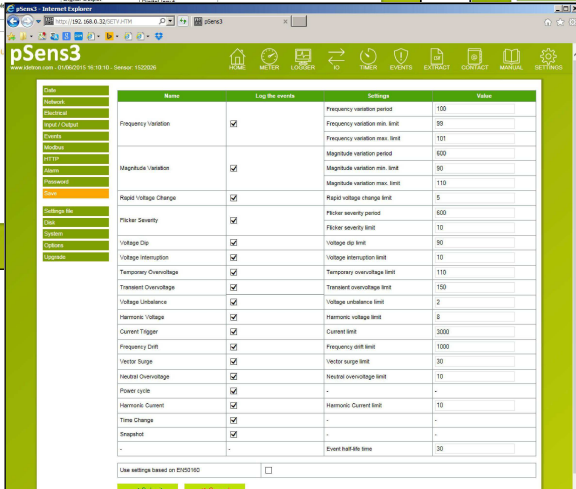
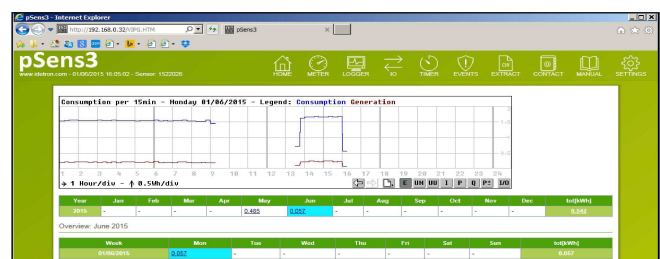
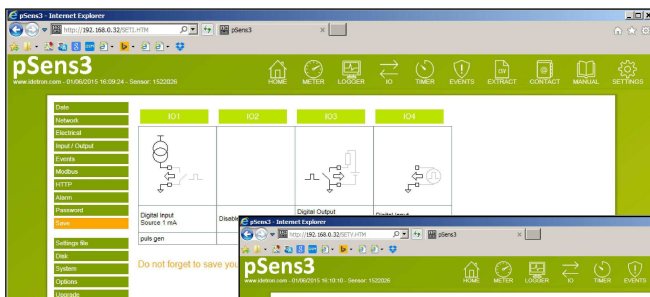
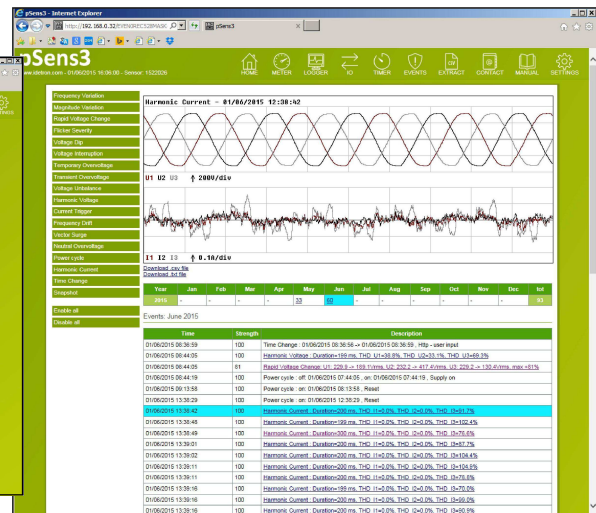
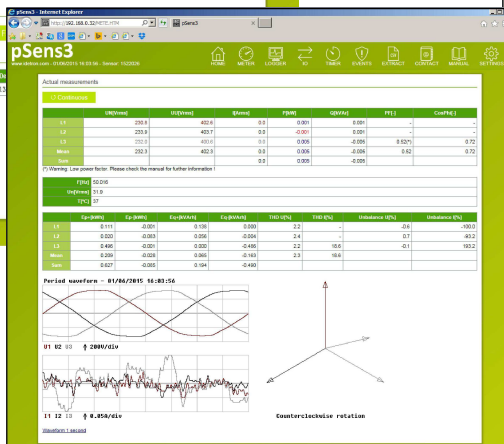
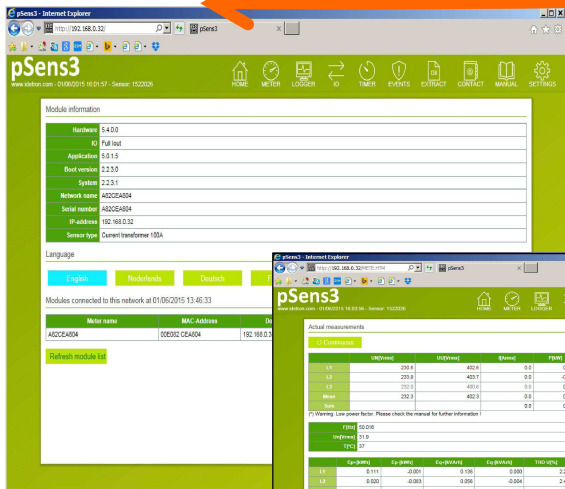


NETWORK CONNECTION



Start your internet browser and enter the name on the label of the pSens2.

f.e. <http://A82CEA41B>



Graphics and tables of active and reactive power, generation and consumption, tension, current, etc

and this per year, month, day, hour, quarter and minute.

With Energy Management software WinWatt

WinWatt is a program specially designed for energy management. It allow(s) the user(s) in an easy and intuitive way to deal with energy flows of electricity, gas, water, steam, etc in the company, but also on a multi-site level.

It makes graphics, tables and customer-specific reports in 1-click, or full-automatic and on a regular base (every 15 minutes, per day or month) with the makro-function.

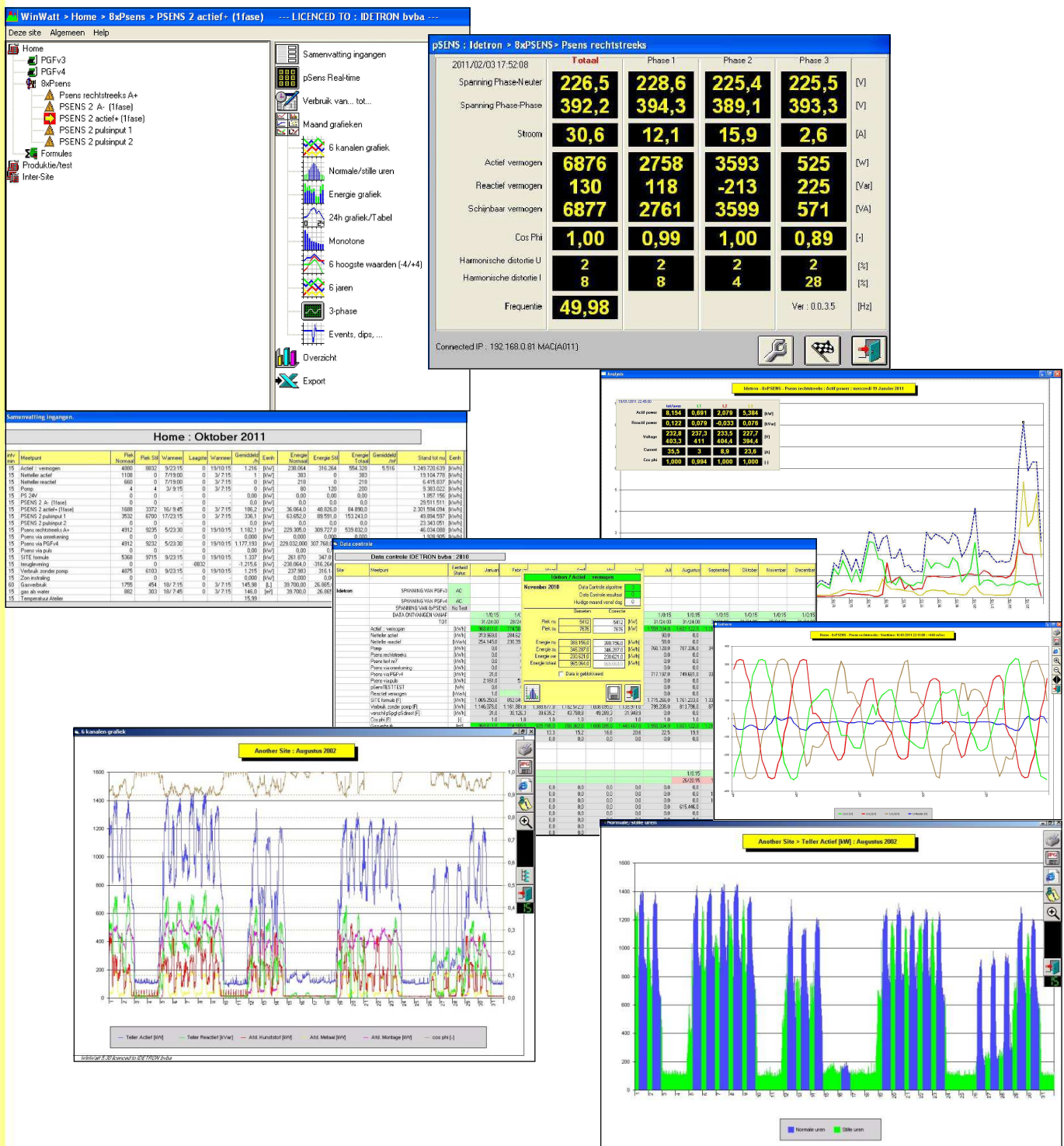
Or calculates the invoice including transmission and distribution costs.

Datacontrolle allows to verify predefined alarm levels or to detect errors or anomalies, and to report these with alarms or by e-mail. Peakshaving is one of the many possibilities.

The included user management gives every user its own rights in the system.

WinWatt is the result of almost 20 years of development and experience in the energy sector.

Take a look at a few of these possibilities:



GENERAL SPECIFICATIONS

Power Supply	12 - 28 Vdc or 90 - 265 Vac
Measurement voltage	0 - 440 Vac (Line) or 0 - 760 Vac (phase),
Current input, possible ranges	3 x phase AC coupled with Rogowski coil, 400A(20cm), 3000A(20 of 40cm)
Accuracy	+/- 1% typ
Frequency range	48-62Hz
Measurement bandwidth	14 kHz
Temperature coefficient	30 ppm/C°
Position sensitivity	+/- 0,5% of range for cable dia > 20 mm
External field influence	+/- 0,3% of range if distance from coil to other cables > 20 mm
Output Maximum Pulse Rate	10Hz
Coil length	200, 400 mm
Allowed cable diameter	50, 115 mm
Coil diameter	7 mm
Coil bent radius	35 mm
Coupling diameter	12,8 mm
Cable length	3 meter UL-LiYY double insulation
Electric isolation	Tested to 15kV
Dimensions current sensor	26,7 x 41,4 x 13,6 mm
Dimensions housing	100 x 22,5 x 110 mm
LOG-memory	1 year



ORDERING information

3TI-5A	3 TI (max 5A) for pSens3 module
3TI-50A	3 TI (max 50A) for pSens3 module
3TI-100A	3 TI (max 100A) for pSens3 module
3coil-20/1	3 coils length 20cm (max 400A) for pSens3 module
3coil-20/2	3 coils length 20cm (max 3000A) for pSens3 module
3coil-40	3 coils length 40cm (max 3000A) for pSens3 module
pSens3-log	LOG module of pSens3
pSens3-3TI-xA	pSens3-log + 3TI-xA
pSens3-3coil-xx	pSens3-log + 3coil-xxx

