

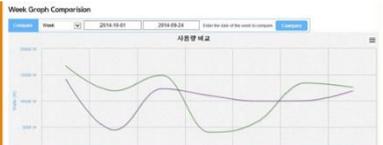
**You can save 25% electric Energy by using SEM3000 system**

# MyWatt Wireless Electricity Monitor SEM3000



**10ch. Wireless electric meter (home, appliance and lamp)**  
**Instant electricity and day/week/monthly total electricity and cost.**  
**You can see 5 years electricity graph by pc data down-loading.**  
**Small size factory could measure electricity by 200A 3-phase clamps.**  
**By connecting LAN cable, you can see internet cloud service and could see Instant, 1day, 1week, 1month, 1year and 5 year graph.**  
**You can see all the graph and control home appliance by Smart Phone.**

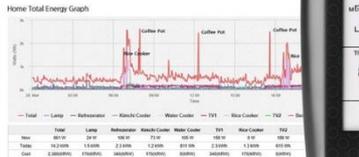
**Week Graph Comparison**



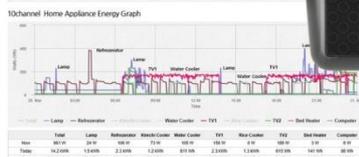
**Solar Home Graph**



**Home Total Energy Graph**



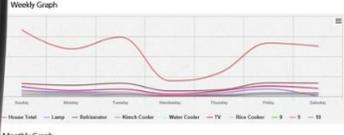
**10channel Home Appliance Energy Graph**



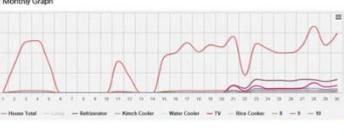
**Fitness Center**



**Weekly Graph**



**Monthly Graph**





**KORINS**  
 Korins Inc.  
[www.smartwattmeter.com](http://www.smartwattmeter.com)

## MyWatt Smart Energy Meter Introduction

MyWatt (SEM3010A)

Please invest \$110 for MyWatt and get 12% electricity saving and 25% energy cost. You can get paid within a year for the MyWatt investment. The operation

method is very simple. One time investment, you can get 1000% reward within 10 years.

### MyWatt Cloud (SEM3110A)

MyWatt Cloud is the most strong and multi-purpose internet of things (IoT). There are no home who without using electricity. With these reason MyWatt will be responsible for all of your home during the next 10years.

During 2016, we will introduce a new and fantastic products in the worldwide market. The new product will provide you not only the home energy monitor but also smart home systems including home security web camera and others. Please keep in touch with Korins.

Please invest \$150 for MyWatt Cloud and you can save 25% electricity cost. You can also see 10 channel home appliances energy consumption in your smart phone by graph and also control your home appliances from remote place. You can control your TV or air conditioner from subway or on the road. With this saved energy, you can use your air conditioner more for you to make more comfortable life.

Please amuse convenient and advanced "IoT" life with MyWatt Cloud. You can save electricity cost and remote monitor of your home security by checking the electricity consumption. When you are away from home on summer vacation, you are worrying your home that your home is get stolen or if the lamp or other home appliances are switched on or not. But if you are using MyWatt Cloud, you can see your home energy consumption 24hours from abroad. Your home keeper MyWatt will help you anytime in the world.

### PITWireless Transmitter (option)

PIT3000 : have electricity monitor function but no control function. (Recommend for refrigerator)

PIT3100 : have electricity monitor and control function. Please invest \$40 and you can control your home appliances by smart phone. (recommend for TV and air conditioner. On-off and timer control)

PIT3300 : have electricity monitor and control function with optical sensor. You can switch on and off by remote controller function. Furthermore, you can select the TV channel and volume control by App. You can control the temperature of your air conditioner by App.

PIT3500 : have electricity monitor and control function. Please invest \$40 and you can control your ceiling lamp from remote place.

**MyWatt Cloudis** is Plug & Play product. After connect the power adapter & LAN cable, you could calibrate the SEM3110 receiver clock automatically. You can also see the graph of real time wattage and today's total energy consumption and money without any more setting. Old man also easily use the web cloud service.

1% of 8 billion population of globe is using **MyWatt**, **80 million MyWatt** will be used. Average monthly energy consumption 200kWh home could save 12% electricity with **MyWatt**, the globe could save electricity 23,200GWh per year. We could save 23pcs of atomic power plant.

New world is coming now. You can use high technology innovation right now with **MyWatt**.

**We can supply the following items within 6 months:**

New Wi-Fi Product: SEM1000Wi-Fi, SEM1100Wi-Fi

Wall mounting product (1Hole, 3Hole): SEM1200Wi-Fi, SEM1300Wi-Fi

Industrial Professional: SEM4000Wi-Fi

CDMA Communication Type: SEM4000CDMA

SEM4000 SERIES : In-door Atmosphere Monitoring, Weather Monitoring, Water Monitoring, Gas Monitoring, Solar Power Monitoring.

**We can supply the following items with 18 months:**

Multi-purpose Smart Home System Product: SHM7000Wi-Fi (Electricity monitoring & Home Security, Cylinder Type Design)

This product will be the strongest item in the global market in this field.

- WORLD BEST PRODUCT



price: \$250

## MyWatt Smart Energy Meter SEM3000 Series



This device measures both household and industrial power usage by installing a current sensor where the totalizer meter is attached to. The device transmits the measured electricity power wirelessly to the receiver located within 50meter to provide the instantaneous power, monthly estimated energy cost, today/this week/this month/31days total power usage and the cost. Graphically display today and this week simultaneously. One receiver may receive maximum 10 channel transmitter data to enable 10 channel data monitoring simultaneously.

If the software is used in conjunction with a provided USB cable, it can graphically display the data of hour/day/week/month/year period.

If you are using MyWatt Cloud version SEM3110 model, it enables Cloud service that can monitor real time/day/week/month/year/10 year graphs on the smartphone or website for all 10 channels.

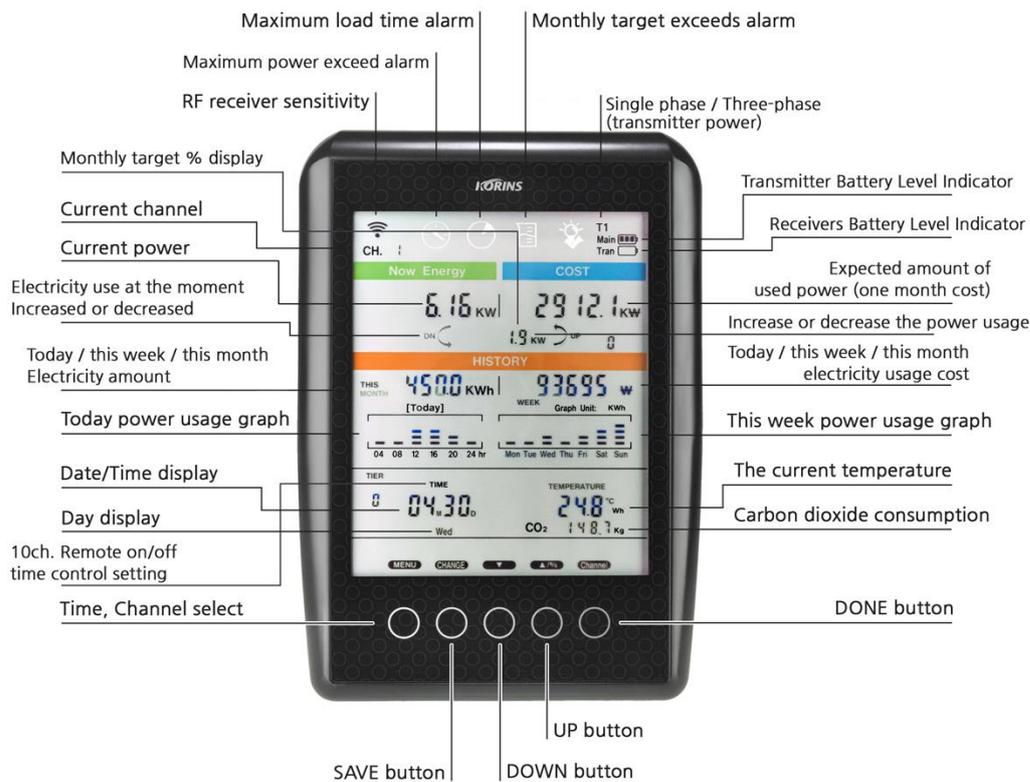
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MyWatt SEM3000 has 6" LCD monitor and shows 30 information at a glance.

There are no maker who have this diverse function

In the world.

**World Best Product**



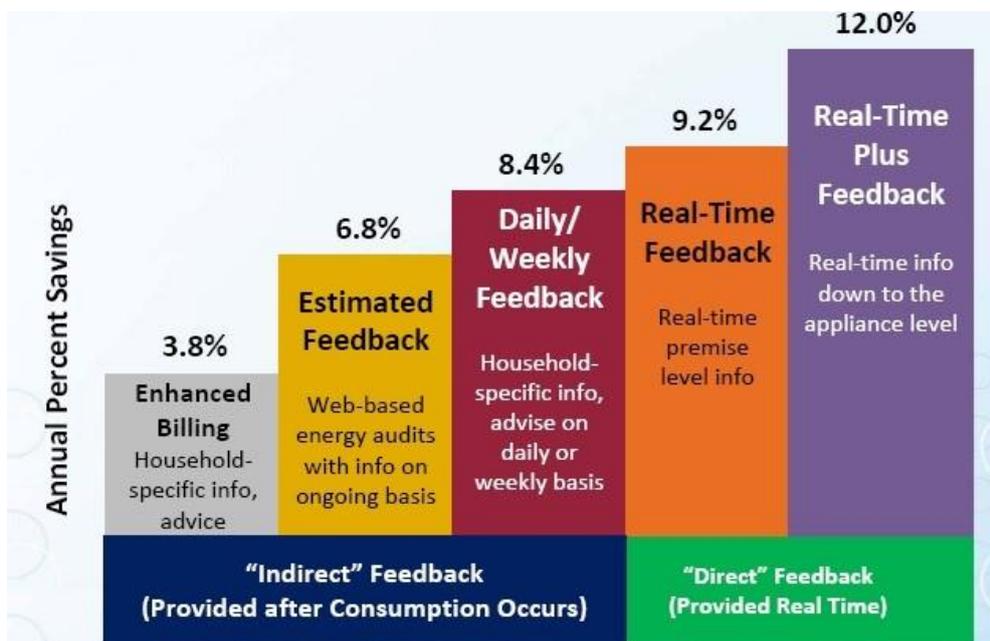
Most of the advanced country have 2 to 4 step energy cost promotion for the energy saving. Therefore, a real-time electric power consumption and the electricity rate monitoring system is necessary in order to save the electricity cost. A totalizer meter that every household has can be used to monitor for a month power usage, however it cannot graphically monitor power usage for a day or power consumption of each home appliances. Therefore, consumers shut off the electricity to each appliances time to time in order to save the electricity, however, this method alone cannot make enough power saving.

There are many home appliances manufactured more than 5 years ago that are being used today which consumes more than twice the electricity that the recent made MyWatt can show all of those and enable us the electricity bill savings at

least 20%.

Additionally, home appliances of today are mostly electronic devices that use standby power from 1W to 15W. This contributes \$30 to \$80 in a month to the electricity bill per household. When the MyWatt or MyWatt Cloud is employed, consumers can monitor and find a way to save power utilizing the monitor or web cloud service,

**You can save 25% yearly electricity cost by using MyWatt SEM3000 Monitor**



(If you have real-time energy monitor like MyWatt and make feedback control, you can save 12% energy saving and max. 25% energy cost saving.)

If you are using optional product PIT3000/PIT3100 on each home appliances, you can monitor each individual home appliance energy consumption by graph and also make on-off or timer control from the smart phone. With this, you can save standby energy saving by on-off or timer setting.

## Feature

### MyWatt (SEM3010) 및 MyWatt Cloud (SEM3110) Common Function

- \*433MHz wireless electricity monitor. Maximum distance 50M at home. (Maximum distance 1000m at open sight.)
- \*Displays instantaneous power and 1 month estimated energy cost with that power.
- \*Displays today/this week/this month/31 days total power usage and the cost.

- \*Provide monitoring of changing power gap when home appliances are turned on and off.
- \*Displays the percentage between this month target power vs. now.
- \*Displays today and this week graph.
- \*Displays 10 channel energy data by using 10 transmitters.
- \*Optical sensors can be supplied for the pulse output electricity totalizer (option)
- \*Supply 30A, 75A clamp for household and also supply 200A, 350A and 500A clamp for Industrial application. (option)
- \*Battery life of clamp type transmitter: Customer can use 15 months using internal and external battery both. If you use power adapter, you do not need battery. (option)
- \*Using free PC software, you can see hour/day/week/month/year graph on PC.
- \*Display CO2 consumption by calculating the power usage
- \*Average energy cost setting, 2 to 6 step cost promotion setting is possible. Other ordered setting also possible.
- \*Calendar & Clock display
- \*Displays battery power on LCD
- \*Displays single or 3-phase clamp connection on LCD
- \*Displays RF433MHz power strength on LCD.
- \*4 Alarm display on LCD: BLACK OUT time display, peak energy over display, Daily and weekly energy target over display.

### MyWatt Cloud (SEM3110) Extra Functions

- \*Connect to Internet by LAN cable connection
- \*Provide Max. 10Ch. Electricity and temperature graph on a page.
- \*Provide Today/this week/this month/this year/10year graph.
- \*Provide the graph comparison for day/week/month/year)
- \*Provide Dash board. (today/yesterday, this week/last week, this month/last month, this year/last year)
- \*Provide data downloadable function for 1 month electricity with 1 hour interval)
- \*Provide the system location map
- \*Provide remote or on-off control of 10channel home appliances by using smart phone or website.
- \*Provide daily/weekly/monthly/yearly/10 year graph.
- \*Provide average energy cost setting and cost display of day/week/month/year.
- \*Provide free web cloud service for 2Ch. From 3ch. To 10 ch., yearly contract is necessary (option)
- \*Provide receiver clock automatic calibration when LAN or Wi-Fi line connection.

- \*Email alarm when peak over power consumption (selection)
- \*Email service for day/week/month energy usage (selection)
- \*SMS service for the above alarm and energy usage (option)
- \*Max. 999ch. Site management (option)
- \*Consulting service for energy saving (option)

### Major products

Image	Model	Contents
 <p>\$35</p>	Clamp type Wireless Transmitter CRT3000 (Single and 3-phase)  Power Adapter order is possible.	Non-contact clamp is connected to a wire of the electricity measuring device and transmit measured current data wirelessly to the receiver at 433MHz. (No engineer is required)  Internal and external battery could use 15 months continuously.
 <p>\$10, \$12, \$25, \$35</p>	CLAMP30, CLAMP75, CLAMP200, CLAMP350	Home: 30A, 75A Industrial: 200A, 350A, 500A and 2MWatt Rogowski coil)
 <p>\$35, \$40</p>	Wall Mounting Plug-in Wireless Transmitter PIT3000: Standard PIT3100: Relay integrated – Power on- off function	Most of the home appliances can be plugged into the PIT3000 Transmitter. (On-off and Timer control is possible) 433MHz transmitter.

 <p>\$35, \$40</p>	<p>Lamp line mounting wireless transmitter  PIT3400: Basic  PIT3500: Relay integrated type</p>	<p>Wireless lamp energy monitoring and on off control is possible, (On-off and Timer control is possible) 433MHz transmitter.</p>
 <p>\$90</p>	<p>Economy Model Transceiver:  SEM1500AW i-Fi   Single and 3-phase</p>	<p>Economy model of SEM3110A wireless receiver. Measure 1ch. Temperature and electricity by 10 year web cloud service. Power adapter is necessary. (No battery type)</p>
 <p>(SET: \$110) CE \$70</p>	<p>MyWatt Wireless REceiver:  SEM3010 SEM3010Wi-Fi</p>	<p>Receiver could receive max. 10ch. Electricity data from transmitter and memorize 5 years. Data. Receiver could show real time data and cost, today/this week/this month/31days data and cost. You can see today and this week graph on lcd. (433MHz)</p>
 <p>\$110 (SET: \$150) CE</p>	<p>MyWatt Cloud Wireless Receiver:  SEM3110 SEM3110Wi-Fi  (게이트웨이 포함)</p>	<p>SEM3010 + Internet Gateway. Web Cloud Service is possible.</p>
	<p>Web Cloud Service CLOUD-1: Basic CLOUD-3:10ch.</p>	<p>Connect to Internet by using PC or Smart phone and could see real time/day/week/month/year/10 year graph and record. Option: 3ch – 10ch. graph</p>

		Graph service		
				

## Wi-Fi Product

**Model: SEM1000WIFI transceiver type, Connect smartphone by Wi-Fi**

1Ch. Electricity measurement device which can measure voltage, current, wattage, power factor and frequency.

After connecting WI-FI, the clock is calibrating automatically.

On-off and timer control is possible.

Stand-by energy cut off is possible.



**Model: SEM1100WIFI transceiver type, Connect smartphone by Wi-Fi**

1Ch. Electricity measurement device which can measure voltage, current, wattage, power factor and frequency.

After connecting WI-FI, the clock is calibrating automatically.

On-off and timer control is possible.

Stand-by energy cut off is possible.

Remote on-off and timer control by remocon. (air conditioner and TV control by

remocon)



Model: SEM1200WIFI (Wall Mounting Wi-Fi) Wall Laying 1 point plug-in Transmitter, WI-FI communication  
SEM1200RF (Wall Mounting 424MHz)

1Ch. Electricity measurement device which can measure voltage, current, wattage, power factor and frequency.

After connecting WI-FI, the clock is calibrating automatically.

On-off and timer control is possible.

Stand-by energy cut off is possible.

Remote on-off and timer control by remocon. (air conditioner and TV control by remocon)



Model: SEM1300WIFI (Wall Mounting Wi-Fi) Wall Laying 3 point plug-in Transmitter, WI-FI communication

SEM1300RF (Wall Mounting 424Mhz)

3Ch. Electricity measurement device which can measure voltage, current,

wattage, power factor and frequency.

After connecting WI-FI, the clock is calibrating automatically.

On-off and timer control is possible.

Stand-by energy cut off is possible.

Remote on-off and timer control by remocon. (air conditioner and TV control by remocon)



**Model: SEM1500AWIFI (Wi-Fi) Transceiver type in a body. WI-FI connection Type**

1Ch. Electricity measurement with no battery. Single and 3-phase electricity measurement by using 3 clamps.

Power adapter is supplying.

**Function :**

After connecting WI-FI line, the internal clock is calibrating automatically.

Internal memory could memorize up to 3year data with 1hour interval.  
(Temperature and Energy data)

Web Cloud service: Temperature and 1 channel electricity graph is possible.  
(Real time, day/week/month/year/10year graph is possible.

1 hour data for a month is down loadable.

Battery is not usable. Once connect to mains power by adapter, the monitor could send data 10years and see the web cloud service continuously.

Plug and play type.  
No extra cost for Web Cloud service.



(75A Clamp, WIFI transmitter, 220V Power Adapter)

(Indoor switching box)

**Model: SEM3100AWIFI (Wi-Fi Product)**

Similar as MyWatt Cloud SEM3110A but with WI-FI model.

The clock is calibrating automatically when it connect WI-FI line.

The receiver could use 10pcs of CLAMP TYPE Transmitter CRT3000 or Plug-in type Transmitter PIT3000.

Easily locate the Wi-Fi receiver at convenient place.

You could see the web cloud service at any place in the world.

Clamp type transmitter battery life is 6 month but we supply extra battery pack at no cost. You can use 15 months battery life in total.



D Type Battery Pack (75A Clamp)



## Industrial Product

### Model: MyWatt Cloud SEM3300 with Web Cloud service

Industrial 3-phase, 380V, 350KW instant energy value measurement is possible.  
Clamp: 200A, 350A, 500A and 2000A Logowski Coil. (Instant value: max. 1.2MW)



(500A, Transmitter, Battery Pack, 200A, 350A)

### Model: MyWatt Cloud SEM3300CDMA

Similar as MyWatt Cloud SEM3300 but CDMA communication type.

Industrial 3-phase, 380V, 350KW instant energy value measurement is possible.  
Clamp: 200A, 350A, 500A and 2000A Logowski Coil. (Instant value: max. 1.2MW)  
Monthly additional cost: \$5 to \$10 per month for CDMA service)



(500A, Transmitter, Battery Pack, 200A, 350A)

### Model: SEM3500A (Optical Sensor Watt meter)

#### SEM3500AWIFI (WI-FI)

Pulse measurement by Optical Sensor type Transmitter.

Pulse output : 100, 200, 300, 500, 1000, 2000 selection (special pulse is

acceptable by option)

Single and 3-phase electricity is possible. 0.5% accuracy.



**Model: SEM3600A (Gas Flow meter, Optical Sensor type)**

**SEM3600AWIFI (WI-FI)**

Pulse measurement by Optical Sensor type Transmitter.

Pulse output : 100, 200, 300, 500, 1000, 2000 selection(special pulse is acceptable by option)



**Model: SEM3700A (Flowmeter – Optical Sensor type)**

**SEM3700WIFI (WI-FI)**

Pulse measurement by Optical Sensor type Transmitter.

Pulse output: 100, 200, 300, 500, 1000, 2000 selection(special pulse is acceptable by option)



Model: SEM3800A (Heat Meter, Optical sensor or Ultrasonic sensor)

SEM3800AWIFI (WI-FI)

Pulse output: 10 Kcal per pulse.



Industrial Professional Product

Model: MyWatt Cloud Pro SEM4000

SEM4000WIFI (WI-FI)

Similar as MyWatt Cloud SEM3310 design, it can measure Industrial 3-phase 380V, 1.2MW electricity. Also measure power factor, frequency and voltage

Option: 500A, 2000A Logowski Coil. (Instant Energy: max. 1.2MW)



(500A clamp, Transmitter, Battery pack, 200A, 350A)

**Model: MyWatt Cloud Pro SEM4000CDMA**

Similar as MyWatt Cloud SEM3310 design but has CDMA communication.

It can measure Industrial 3-phase 380V, 1.2MW electricity. Also measure power factor, frequency and voltage.

Option: 500A, 2000A Logowski Coil. (Instant Energy: max. 1.2MW)

Monthly additional cost: \$5 to \$10 per month for CDMA service.



**Industrial Field: Specialized Field and Electricity Monitor**

**Model: SEM4300A (In-door Atmosphere Monitoring – Temperature for indoor and outdoor, humidity, CO2 gas)**

**SEM4300AWIFI (WI-FI)**

**CO2 Gas: NDIR sensor**



Model: SEM4400A (Water Quality: pH, Temperature, Resolved Oxygen, ORP)  
SEM4400AWIFI (WI-FI)



Model: SEM4500A(Gas Analyzer, Oxygen, CO2, O2, SO2)  
SEM4500AWIFI (WI-FI)



Model: SEM4600A (Utility : Flowmeter for cold and hot water, Carorymeter, Gas meter): Home and Industrial



Model: SEM4700A (Weather Monitor – Temperature for indoor and outdoor, Air Velocity and Direction, Rain fall, Radiation)

SEM4600AWIFI (WI-FI)



Model: SEM4800A (Solar Power Plant: Temperature, Radiation, Solar Power Generation, Grid-tie energy)

SEM4700AWIFI (WI-FI)



We can supply the following items with 18 months

Model: SHM7000WIFI for electricity and Security both. Cylinder type Design.

Display: 3" TFT COLOR LCD included design. Display diverse data with 1 hour interval sequence.

Display Item: Clock, Electricity, Indoor Atmosphere (Temp, Humidity, CO2), Video image of Door Bell and living room approached.

Door sensor: Signal is coming to the smart phone when the window is open.

Mike and Speaker: Voice message, When the intruder is coming at night time, voice alarm announcing.

Main unit Video Camera: 130 degree lens HD camera with infrared lamp. Send video image to the smart phone.

Electricity: Max. 10ch. Electricity Monitoring and smart phone on-off control. Monthly energy target setting and percent display.

Indoor Atmosphere Monitor: Max. 5Ch. Indoor and outdoor Temperature, Humidity, CO2. Alarm setting is possible.

Doorbell: If the camera is finding the doorbell approached person, take still and video image and send it to the smart phone. Indoor person could talk by video phone.



Electricity Transmitter, Communication

Main Unit,

Doorbell with camera, WIFI