

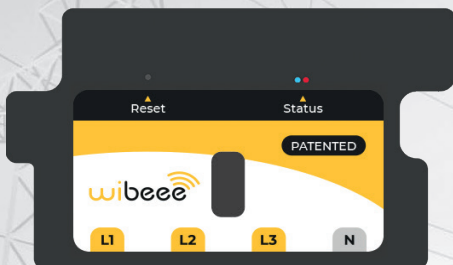
WIBEEE HOME



Save on your electricity bill by keeping under control the consumption of each electrical appliance in your home.



WIBEEE BUSINESS



Improve the profitability of your company by controlling energy consumption thanks to Wibeee.





Simple and useful

We are convinced about the fact that the most functional and versatile measuring units and systems are those that are easiest to use. We have over 25 years of experience in the design and manufacturing of current transformers and sensors that are easy to install and use. With these principles, we have taken a step further, creating the Wibeee concept, a generation of electrical measurement and control devices with a patented technology that are accessible to anyone. The idea behind the Wibeee concept goes beyond ease of installation; our goal is to make sure that the information generated by our devices can be analysed and used to achieve the adequate energy management by as many people as possible.

To rationalise energy consumption and establish communications between devices

The Wibeee family has been designed to measure and manage the consumption of electricity by sending data through a WiFi network to a platform designed to store and manage such data in a cloud; it is an analysis tool and a management system that uses the existing communication infrastructure.

Nowadays, the challenge is not only to control energy costs but also to quantify the impact of our activities on the environment. Wibeee measuring devices generate information that is required to adapt the consumption of energy to our needs but they can also be used to establish optimisation strategies, define objectives and quantify savings.

Wibeee is not only an analysis tool but also an energy management system that can be used to easily control consumption centres. Once unnecessary consumption has been detected or the energy reduction objectives have been set forth, Wibeee can disconnect the machine or home appliance for which consumption must be rationalised with the Wibeee Plug.

Wibeee is also a simple solution to establish communications between energy-consuming devices. You can check your consumption and adapt it to your needs on a user-friendly web platform.

Easy to install, efficient, accurate, complete

With a design based on wireless communication technologies, Wibeee devices can be installed in any place with a WiFi network easily and with a mobile device (Tablet or Smartphone). Easy installation and configuration of the communication parameters make the Wibeee system a solution that is accessible to anyone. No additional tools are required to install the devices and only the password of the local WiFi network is required to connect the device to the WiFi network.

Such a simple configuration process does not mean that little information will be provided, i.e., the Wibeee system will generate a full range of electrical parameter information. With the current (A) and voltage (V) references, the Wibeee devices calculate different values, such as power (kW), active energy (kWh), reactive energy (kVArh) or the power factor (PF), among others.



Wibeee devices are a vital element for the quantification of the consumption of electricity. Ease of installation and communication make Wibeee Business an efficient tool for both punctual audits and for permanent monitoring of an installation, as well as for controlling the costs of a production line and to obtain the ISO 50.001 certificate.

With its built-in sensor system, Wibeee Business measures and calculates the electrical parameters, which are then transmitted through the local WiFi network. Wibeee devices send information in the form of http data frames through the WiFi wireless network to a Cloud server.

A yellow industrial robot arm is shown in a factory setting, with several other similar arms in the background. A black rectangular overlay with a yellow lightning bolt icon and the text "750 W" is positioned near the robot arm's joint.

⚡ 750 W



Wibeee Home offers you an easy way to manage the energy consumption of homes. The information gathered by Wibeee devices can be used to adjust the contracted power to the actual needs or remotely manage all home appliances that have been left turned on or that are not being used.

Furthermore, Wibeee Home can measure various electricity lines on the same electrical board, identifying the separate consumption of the main home appliances. With this information, a family can know and act on different home appliances or compare the consumption of the lighting systems of the home with the total consumption of the home.





Wibeee Business is a web-based solution integrated in the Cloud, which can be accessed with different Internet access methods. It features two complementary tools to display data and manage the system; a mobile phone APP and a web platform. You can access the data on the Wibeee Business platform with a user account 7 days a week, 365 days a year, from any computer, smartphone or tablet connected to the Internet.

The mobile phone APP (for iOS / Android) allows you to configure the Wibeee devices connected to the local WiFi network and to display historical data and data in real-time. On the other hand, a web platform - with secure access - displays and allows you to analyse all parameters generated,

with charts and dashboards for all devices linked to the account. Both solutions can also be used to control the consumption by managing the basic functions used to turn electrical lines on and off.

Wibeee Business is a tool that provides a user-friendly interface and displays the basic parameters (energy, cost, CO2 emissions). With its user-friendly and graphic display interface, you can analyse and interpret large volumes of information at a glance - with dashboards - from an unlimited number of devices. All parameters gathered by Wibeee Business can be displayed, compared on the same chart in a clear way and even exported to files in .xls format.



- Display of historical and real-time data.
- Creation of dashboards.

- Analysis of comparisons in remote locations.
- Classification of the consumption of the main household appliances.





Wibeee Home is a sophisticated system for monitoring domestic electrical consumption, its advanced design achieves the identification and quantification of consumption, which provides management facilities, energy savings and cost reduction.

Wibeee Home bases its operation on devices and proprietary algorithms and, thanks to its high degree of intelligence, allow us to identify and differentiate the energy footprint of each household appliance from our home, all this through a single device installed in the electrical panel of the house. Likewise, Wibeee Home al-

lows the monitoring and management of alternative energy systems in the domestic environment, being an ideal tool for efficiency analysis, providing the user with control over the production and consumption of energy.

The graphic interface of Wibeee Home is a versatile tool that provides information in a simple, clear and precise way, allowing the user a dynamic and reliable experience, through different devices, either through the APPs (iOS / Android) or using the web platform, in this way, the user can access both real-time and historical information.



- Identification of energy footprint for each household appliance.
- Monitoring and management of alternative energy system in the domestic environment.





The single and three-phase versions of the Wibeee One device allow the user to read, store and manage the electrical parameters while the device is connected to a WiFi wireless connection. The ergonomic design of the two versions of Wibeee One means that these devices can be adapted as "LEGO" pieces to standard 2-module (L and N) and 4-module (3L and N) thermal-magnetic circuit breakers. The reduced dimensions of Wibeee One make it easy to install on the electrical board, with no need to expand or add other elements and with no additional space required on the electrical board.

Wibeee 2W / 4W features precision sensors to detect current and magnetic terminals, which capture voltage and power the device. The device has been designed for currents lower than 65A. It features a communication system and embedded firmware to connect to the local WiFi network and transmit data to the cloud. The free APP allows the local configuration of the device and the display of real-time data and full access to the historical data in the cloud.

Technical Features



4W



3W

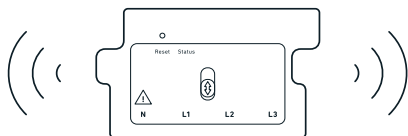


2W

Power circuit	Connection type	Single or three-phase
	Voltage range	2W/4W: 85 ... 265 V ~ 3W: 100 ... 440 V ~ (F-F)
	Frequency	50 - 60 Hz
	Power	2W/4W: 1.5 ... 4.5 VA 3W: 2.8 ... 4 VA
Measurement circuit	Rated voltage	2W/4W: 85 ... 265 V ~ 3W: 100 ... 440 V ~ (F-F)
	Nominal current	65 A (16 mm2)
Accuracy class	Voltage	2%
	Current	2%
Communications	Type	Wi-Fi (IEEE 802.11)
	Protocol	HTTP, Modbus/TCP, XML
	Frequency range	2,405 - 2,480 GHz
	Encryption	AES128
	Certification	FCC (USA), IC (CANADA), ETSI (EUROPE)
Build features	Enclosure material	Self-extinguishing UNE 21031 90 °C
	Weight	2W: 37 g 4W: 64 g 3W: 53 g
	Protection degree	IP 40
Environmental conditions	Operating temperature	-10°C ... +45°C
	Humidity (non-condensing)	10% ... 90% (non-condensing)
	Maximum altitude	2,000 m
Safety	IEC 61010-1:2001 Double-insulated electric shock protection class II	
Standards	UNE-EN 61010-2-030:2011, UNE-EN 61326- 1:2006, EN 301 489-17 V2.2.1	

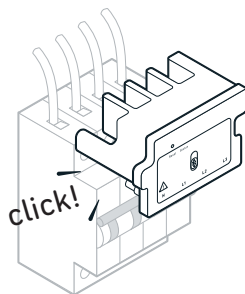
Fully wireless system

The system has been designed to monitor the information over wireless networks. Nothing stands between you and Wibeet One.



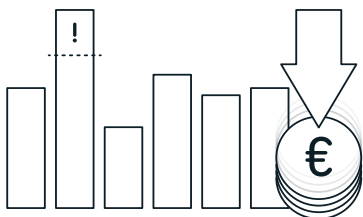
As easy to install as attaching a fridge magnet to a fridge

The installation of an electrical meter can be a complex task; not enough space on the electrical board, wiring time, etc. Wibeet One only takes a minute to install.



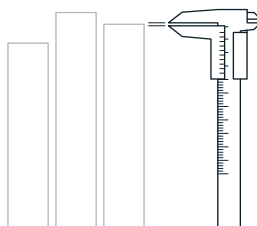
Control of consumption and energy savings

Wibeet One gathers all relevant information about your consumption and helps you interpret it. Know what you are consuming and where you can start acting.



High-accuracy measurements

Size and simplicity are not at odds with accuracy. The reliability of Wibeet One can be compared with that of high-end meters in the market and it generates all relevant values.



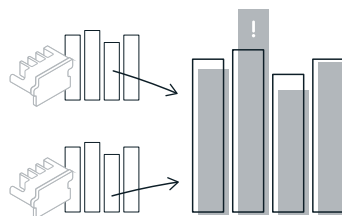
Full accessibility

Wibeet One uploads the data to a "Cloud" server. Data can be accessed from any device connected to the Internet at any time.



Comparisons are not as odious any more

Compare the evolution of two devices throughout time or compare the consumption objectives of two different locations; thanks to Wibeet One, these are no longer uncomfortable discussion topics.





Wibeee Ground is a device for measuring the ground resistance in electrical substations and connected to the cloud through IoT technology. It enables to measure the quality of the earthing system in electrical substations.

It is a very efficient solution for the control and measurement of the status of the ground resistance, which will avoid the cost of periodical measurements with portable analyzers and it will allow power utilities to have a full control of their installations.

Wibeee Ground has been designed to simplify to its maximum, the process of installation. It is a non intrusive device, which allows its installation without any additional tool. It comes with a mounting accessory

that allows you to fix it magnetically to any metallic panel, wall mounting it or attaching it to a DIN rail.

Wibeee Ground comes with a cable for the power supply and another one with two sensors to carry out the ground resistance measurement. Besides that, it has an internal memory which allows the recovery of information, in case that the wireless signal fades for some time.

As usual in all Wibeee devices, data can be monitored and analysed through an iOS and Android App, as well as through a web platform. We can also download those recordings or transfer them to another server thanks to the API.

Technical Features

Power circuit	Rated voltage	100 ... 400 Vc.a.
	Frequency	50-60 Hz
	Power	4,5 ... 9 VA
Measurement circuit	Measurement range	1 ... 30 Ω
	Resistance measurement	$\pm 2 \%$
Communications	Type	IoT
	Protocol	IPv4/IPv6/UDP/CoAP
	Frequency range	2,405 - 2,480 GHz
	Encryption	AES128
	Certification	FCC (USA), IC (CANADA), ETSI (EUROPE)
Build features	Enclosure material	Self-extinguishing UNE 21031 90 °C
	Weight	1700 g
	Protection degree	IP 20
Environmental conditions	Operating temperature	-10...+45 °C
	Humidity (non-condensing)	5% ... 95% (non-condensing)
	Maximum altitude	2000 m
Safety	IEC 61010-1:2001 Double-insulated electric shock protection class II	
Standards	UNE-EN 61010-2-030:2011, UNE-EN 61326-1:2006, EN 301 489-17 V2.2.1	



Wibeee Max is a high-accuracy and very versatile device connected to the cloud through the Wibeee platform; it allows the sub-metering of three-phase lines for medium and high currents. The device can adjust the current measurement to up to 10kA with the escalation of the current sensors. Therefore, Wibeee Max is a very effective solution to measure the electrical parameters in industrial projects or commercial buildings or offices.

Wibeee Max has been designed to make the installation process as simple as possible. No additional tools are required to install the device; the meter features magnetic attachment elements, can be attached with screws or mounted on a DIN rail. It also features two output connectors for the flexible sensor sets and connection elements for voltage terminals. Wibeee Max features a small internal memory that can retrieve information in the event of a temporary interruption of the WiFi connection. Wibeee Max connects to the local WiFi network with the free APP (for iOS or Android) and the web platform allows you to view and analyse the information.

Technical Features

Power circuit	Connection type	Single or three-phase
	Rated voltage	100 ... 400 V ~
	Frequency	50 ... 60 Hz
	Power	4.5 ... 9 VA
Measurement circuit	Voltage measurement	100 ... 480 V F-N
	Nominal current	350A 700A / 100A 1kA 5kA
Accuracy class	Voltage	1%
	Current	1%
Communications	Type	Wi-Fi (IEEE 802.11)
	Protocol	HTTP, Modbus/TCP, XML
	Frequency range	2,405 - 2,480 GHz
	Encryption	AES128
	Certification	FCC (USA), IC (CANADA), ETSI (EUROPE)
Build features	Enclosure material	Self-extinguishing UNE 21031 90 °C
	Weight	1700 g
	Protection degree	IP 20
Environmental conditions	Operating temperature	-10°C ... +45°C
	Humidity (non-condensing)	5% ... 95% (non-condensing)
	Maximum altitude	2000 m
Safety	IEC 61010-1:2001 Double-insulated electric shock protection class II	
Standards	UNE-EN 61010-2-030:2011, UNE-EN 61326-1:2006, EN 301 489-17 V2.2.1	

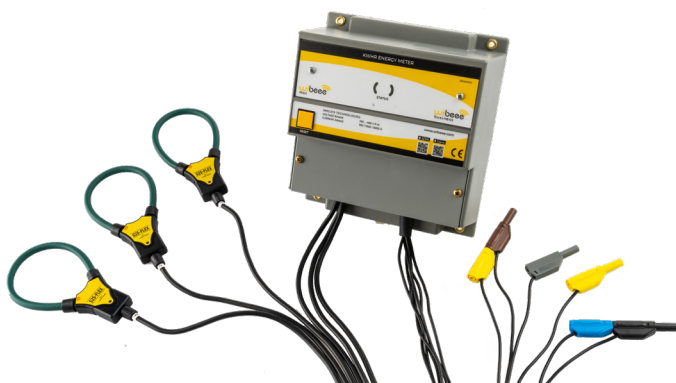


Wibeee Meter is a high-accuracy and very versatile device connected to the cloud through the Wibeee platform; it allows the sub-metering of three-phase lines for medium and high currents. The device can adjust the current measurement to up to 10kA with the escalation of the current sensors. Therefore, Wibeee Meter is a very effective solution to measure the electrical parameters in industrial projects or commercial buildings or offices.

Wibeee Meter has been designed to make the installation process as simple as possible. No additional tools are required to install the device; the meter features magnetic attachment elements, can be attached with screws or mounted on a DIN rail. It also features two output connectors for the flexible sensor sets and connection elements for voltage terminals. Wibeee Meter features a small internal memory that can retrieve information in the event of a temporary interruption of the WiFi connection. Wibeee Meter connects to the local WiFi network with the free APP (for iOS or Android) and the web platform allows you to view and analyse the information.

Technical Features

Power circuit	Connection type	Single or three-phase
	Rated voltage	100 ... 400 V ~
	Frequency	50 ... 60 Hz
	Power	4.5 ... 9 VA
Measurement circuit	Voltage measurement	100 ... 480 V F-N
	Nominal current	350A 700A / 100A 1kA 5kA
Accuracy class	Voltage	1%
	Current	1%
Communications	Type	Wi-Fi (IEEE 802.11)
	Protocol	HTTP, Modbus/TCP, XML
	Frequency range	2,405 - 2,480 GHz
	Encryption	AES128
	Certification	FCC (USA), IC (CANADA), ETSI (EUROPE)
Build features	Enclosure material	Self-extinguishing UNE 21031 90 °C
	Weight	1700 g
	Protection degree	IP 20
Environmental conditions	Operating temperature	-10°C ... +45°C
	Humidity (non-condensing)	5% ... 95% (non-condensing)
	Maximum altitude	2000 m
Safety	IEC 61010-1:2001 Double-insulated electric shock protection class II	
Standards	UNE-EN 61010-2-030:2011, UNE-EN 61326-1:2006, EN 301 489-17 V2.2.1	



Wibeee Box is a solution of the Wibeee family that features 3 current sensors for single-phase lines of up to 100A. Wibeee Box is a solution that has been designed for the household and small business segment, which allows you to check the individual consumption of the main home appliances or devices connected to the network from the electrical board, such as lighting systems, air-conditioning systems or the generation of photovoltaic energy panels.

Wibeee Box has an ergonomic design, as in the case of all other solutions of the Wibeee family. The device is self-powered with the voltage measuring circuit, featuring three current sensors that can be used to determine the overall consumption, and two auxiliary circuits. It can be connected to a WiFi network to send and record the data in the cloud for its subsequent analysis and management on the platform. Wibeee Box connects to the local WiFi network with the free APP (iOS / Android). The web platform allows you to view and analyse the information generated by the devices.

Technical Features

Power circuit	Connection type	Single or three-phase
	Rated voltage	85 ... 265 V ~
	Frequency	50 ... 60 Hz
	Power	1.5 ... 4.5 VA
Measurement circuit	Voltage measurement	85 ... 265 V ~
	Nominal current	60A 100A
Accuracy class	Voltage	1%
	Current	1%
Communications	Type	Wi-Fi (IEEE 802.11)
	Protocol	HTTP, Modbus/TCP, XML
	Frequency range	2,405 - 2,480 GHz
	Encryption	AES128
	Certification	FCC (USA), IC (CANADA), ETSI (EUROPE)
Build features	Enclosure material	Self-extinguishing UNE 21031 90 °C
	Weight	125 g
	Protection degree	IP 20
Environmental conditions	Operating temperature	-10°C ... +45°C
	Humidity (non-condensing)	10% ... 90% (non-condensing)
	Maximum altitude	2000 m
Safety	IEC 61010-1:2001 Double-insulated electric shock protection class II	
Standards	UNE-EN 61010-2-030:2011, UNE-EN 61326-1:2006, EN 301 489-17 V2.2.1	



Wibeee Plug is a solution that has been designed to measure and manage the consumption of household electrical lines. Wibeee Plug is a device to which you can connect different electrical devices with a standard plug and allows you to monitor the individual consumption of a home appliance or electrical device via WiFi. In addition, the unit features a remote charge managing system that can be used to remotely switch units connected to the electrical line on or off from the platform or mobile phone APP.

The free APP (for iOS or Android) and web platform generate the information required to display the information and manage actions.

Technical Features



Power circuit	Connection type	Plug
	Rated voltage	100 ... 240 V ~
	Frequency	50 ... 60 Hz
	Power	1.5 ... 4.5 VA
Measurement circuit	Rated voltage	85...265 Vp-n
	Nominal current	1 ... 16A
Accuracy class	Voltage	2%
	Current	2%
Communications	Type	Wi-Fi (IEEE 802.11)
	Protocol	HTTP, Modbus/TCP, XML
	Frequency range	2,405 - 2,480 GHz
	Encryption	AES128
	Certification	FCC (USA), IC (CANADA), ETSI (EUROPE)
Build features	Enclosure material	Self-extinguishing UNE 21031 90 °C
	Weight	87,5 g
	Protection degree	IP 40
Environmental conditions	Operating temperature	-10°C... +45°C
	Humidity (non-condensing)	10% ... 95% (non-condensing)
	Maximum altitude	2,000 m
Safety	IEC 61010-1:2001 Double-insulated electric shock protection class II	
Standards	UNE-EN 61010-2-030:2011, UNE-EN 61326-1:2006, EN 301 489-17 V2.2.1	

Wibeee IoT provides a new and innovative communication solution that covers the entire range of Wibeee devices, allowing an easy installation of the equipment measurement in places where WiFi technology is not available or where greater robustness and reliability is required, thanks to its continuous connectivity with the cloud, Wibeee IoT allows energy consumption to be monitored efficiently, resulting customised energy saving strategies for different business sectors.

The Wibeee platform (web / APPs) allows to manage the different types of measurement devices regardless of their communication technology, making the use of any communication system completely transparent to the final user, thus facilitating the analysis, data management and making decision for energy efficiency and cost optimization.



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