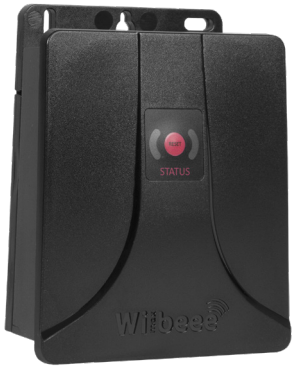
Wibeee Max

Consumption analyzer



Description

Wibeee Max and **Wibeee Max Plus** are consumption analyzers for monitoring and obtaining electrical data to facilitate decision-making through understanding electrical energy usage. Once connected, the units will convert the measured parameters into information to be sent via a Wi-Fi wireless connection. The units can be installed on the wall or directly in electric panels using their magnetic support / DIN rail.

The units have 30 days of back-up memory to ensure data in the event of losing communication with the server. When the connection with the server comes back online the device begins to gradually delete the stored data.

Wibeee Max has small flexible clamps with two configurable current sensitivities: 350 A and 700 A. Wibeee Max Plus has flexible multi-sensitivity clamps for 100 A, 1000 A or 5000 A currents.

Applications

The units can be attached at any point of the installation, helping detect problem areas where energy is not being used efficiently, and directly contributing towards reducing consumption via the remote activation of alarms when set limits are exceeded. Easy use and installation make them perfect for controlling consumption in any industrial setting.

All the units in the Wibeee series can be managed through the free “Wibeee Circutor” app. This application can be used to monitor the different electrical variables and energy cost, make consumption comparisons and manage different alarms remotely. All the data is also accessible online from any computer by simply accessing the “MY WIBEEE” platform from any web browser.

Remotely access your consumption along with other electrical variables:

— Active Energy
— Reactive Energy
— Active Power
— Reactive Power
— Apparent Power
— Power Factor
— Cost (Euros and other currency)
— CO_2 emissions
— Voltage
— Current
— Frequency

Technical features

Power supply	Voltage range	95...400 Vac
	Frequency	50 - 60 Hz
	Consumption	30 mA
Measurement circuit	Connection type	Single-phase
	Rated voltage	95...440 V_{p-n}
	Nominal current	350 A - 700 A (Wibeee Max)
		100 A - 1000 A - 5000 A (Wibeee Max Plus)
Accuracy class	Voltage	1%
	Current	1%

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Technical features

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
	Protection Degree	IP 20
	Dimensions	130 x 105 x 49 mm
Environmental conditions	Working temperature	-10 °C to 45 °C
	Storage temperature	-40 °C to 85 °C
	Humidity (non-condensing)	5% to 95%
	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**	

Technical features of the Wibeee Max clamp

Nominal range	350 A	700 A
Range of use	3.5...350 A	7...700 A
Specified measurement range	35...350 A	70...700 A
Typical phase shift	1º	1º

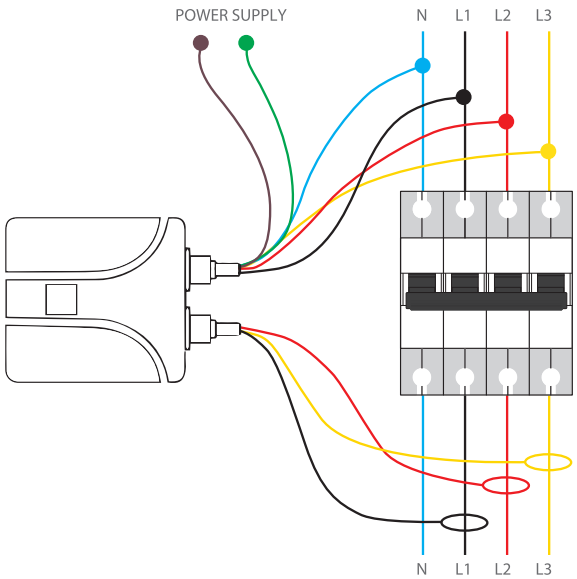
Technical features of the Wibeee Max Plus clamp

Nominal range	100 A	1000 A	5000 A
Range of use	1...100 A	10...1000 A	50...5000 A
Specified measurement range	10...100 A	100...1000 A	500...5000 A
Typical phase shift	1º	1º	1º

References

Type	Code	Max. current (A)	Protocol	Communication
Wibeee-Max	**M57023**	350-700	Http/ModbusTCP/XML	Wi-Fi
Wibeee-Max Plus	**M57024**	100-1000-5000	Http/ModbusTCP/XML	Wi-Fi

Connection



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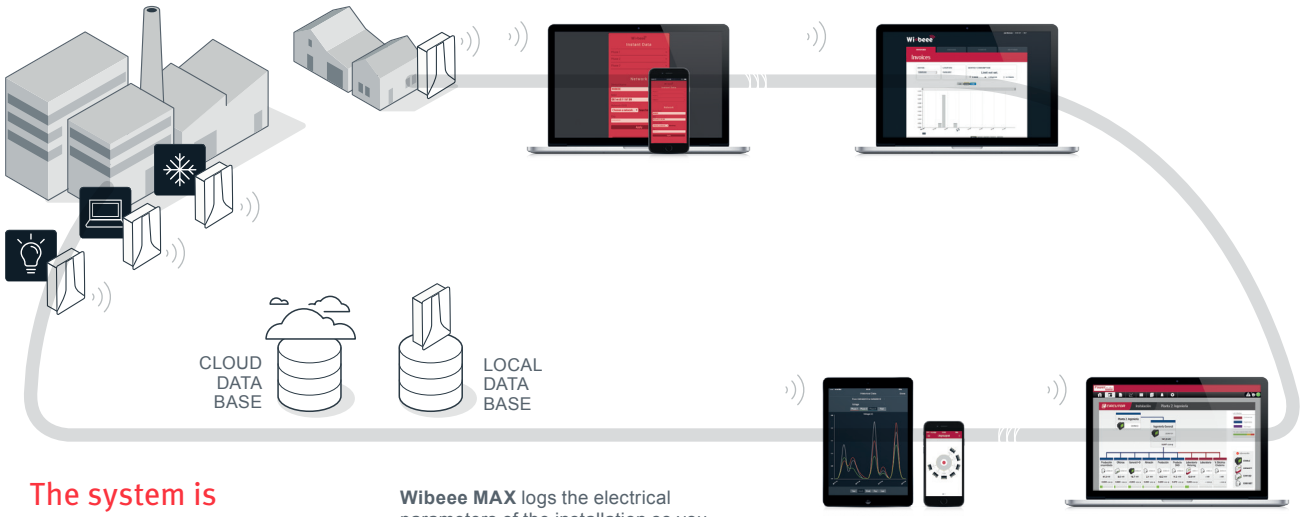
Features of the solution

LOCAL
Website built into the device for configuration and data display. Query using the device's IP.

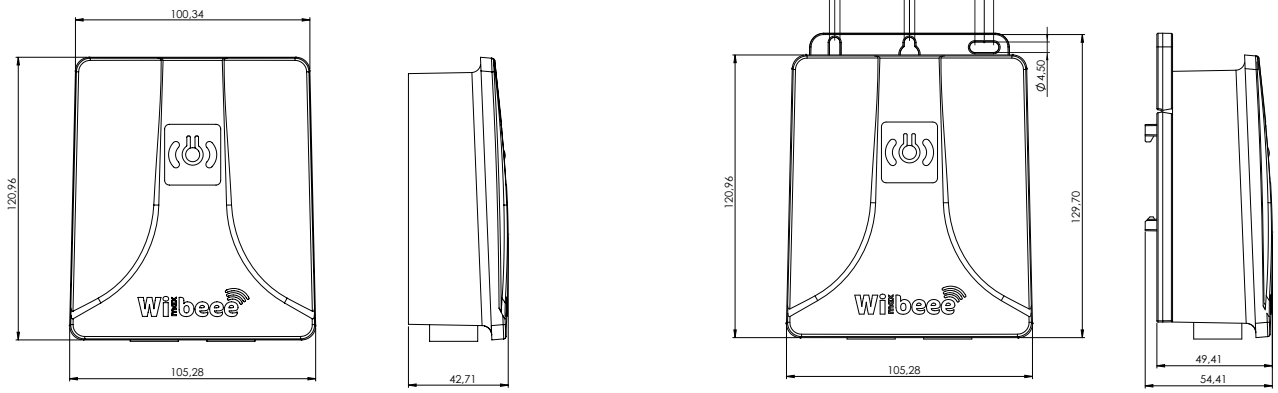
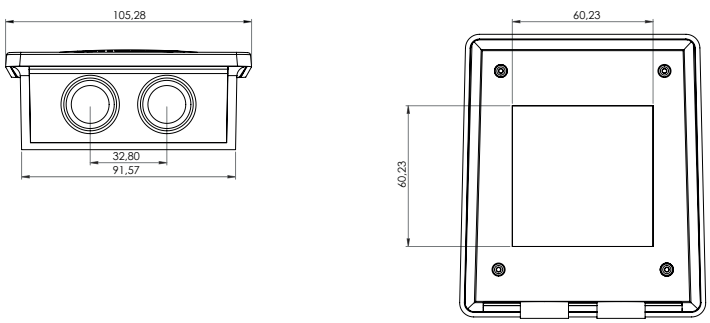
CLOUD
Web server application with cloud database. Query via wibeee.circutor.com.



The system is completely visible from any location

Wibeee MAX logs the electrical parameters of the installation so you can view them from wherever you want: from your office computer, with a smartphone from the local coffee shop or lying down on your sofa at home with your tablet. Wibeee can also be integrated with the other devices that are compatible with the PowerStudio SCADA system.

MOBILE
Application specially designed to be used on Android and iOS mobile devices. Control consumption from anywhere.

PowerStudio SCADA
Compatible with the management and data monitoring system. Can be integrated with the other units in your installation.

Dimensions