



Ideal for domestic and office contexts, our Meazon Plug range enables remote measurement and control of electrical appliances. The range is available in various form factors, supporting EU, UK, USA and Latin American markets.

Communications	IEEE 802.15.4 / Zigbee
Zigbee Standard	Home Automation 1.2
Architecture	ZigBee Mesh Network
Frequency band	2.4 GHz
Simultaneous operation of multiple metering devices	Yes
Data communication interval	1 second to 2 minutes
Response to loss of communication	Yes (Path reorganization through Zigbee)
Security mechanism	Yes. AES encryption 128 bits.

Bizy Type G Plug

Meazon Bizy plug is used for controlling the power feed (on/off/scheduling) and measuring energy & power consumed on electrical appliances. It connects wirelessly an appliance to the Home Area Network. It's an ideal device to plug in appliances such as pc monitors, printers, lighting, coffee makers, water heaters, chargers, air conditions or any other electrical appliance that could be controlled by switching it on and off. In addition, Meazon Bizy plug is suitable for larger appliances such as refrigerators and window air conditioners.

Meazon Bizy plug supports any appliance consuming up to 16 Amps. To confirm that your appliance's power requirements fall within the range supported by your plug, consult the appliance's user guide, or inspect the appliance for a plate describing its technical specifications.

Meazon Bizy plug is certified according to ZigBee Home Automation 1.2 standard. It can measure I, V, Active and Reactive Power & Energy and Power Network Frequency. Finally it can store on/off time schedules locally, as well as unread measurements making it robust to Internet and power outages.

Supported countries (indicatively): UK, Ireland, Cyprus, Malta, Singapore
For more information please refer to:

<http://www.iec.ch/worldplugs/typeG.htm>

* Accuracy responds to Electric Power Measurements

Operating Voltage / Frequency	100 to 240 VAC / 45 to 65 Hz
Power loss response	Automatic resumption of operation after power loss
Internal relay	16 Amp On/Off control
Power consumption	Less than 0.5 Watt

Electric parameters measured	I _{rms} , V _{rms} , frequency, active Power & Energy, reactive Power & Energy
Ranges of measured parameters	Voltage: 100 to 240 volts AC phase-to-neutral, 45 to 65 Hz Current: 0 to 16 Amps 80% to 120% of normal line voltage
Accuracy of measurements*	<ul style="list-style-type: none"> <1% of reading measurement error (metering device) 0.1% of reading measurement error (current sensors)
Data log record	25 days

Coverage	Up to 50m indoor / mesh topology
Dimensions	45.2 x 76.6 x 58.8 (WxHxD) in mm
Operating environment	<ul style="list-style-type: none"> Temperature: -20° C to 50° C Humidity: 10% to 90% relative humidity (RH), non-condensing