

Meazon Type B Plug Controller is a powerful tool that enables smart energy applications in a home or business environment. It acts as a power analyzer at the appliance level that helps the user to have full visibility of the power consumption at the plug level.

Architecture	Zigbee Mesh Network NB-IoT LTE CAT M1
Frequency band (ZigBee)	Zigbee: 2.4 GHz NB-IOT: 20, 8, 3 LTE M1 : 13, 12, 5, 4, 2
Minimum data reporting interval	One-second (default 5 minutes)
Data storage in the device	Yes
Security mechanism	AES encryption 128 bits in Zigbee, VPN in WiFi & NB-IoT

Meazon Type B plug

Smart Plug with Zigbee HA 1.2 profile and/or NB-IoT/LTE Cat M1 connectivity.

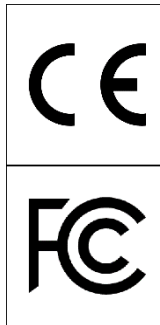
Description

A high accuracy electrical power measuring and control device. It enables new features in electrical appliances. By placing the Type B plug between an outlet and any appliance, automation features are made possible.

Appliances can be switched on and off remotely. Additionally, a weekly schedule with on and off events can be downloaded in Meazon's Type B plug. The device can act as a power analyzer by reporting all the electrical characteristics (voltage, active and reactive power and frequency).

Using the optional NB-IoT connectivity the device can become a powerful tool for the collection of data from a house or business since it bypasses local fixed networks.

The device can act as a Zigbee router that collects data from other ZigBee sensors in the home or business environment.



Operating Voltage / Frequency	100 - 240 Vac / 50-60 Hz
Metered electricity variables	Irms, Vrms, Power factor, Active Power & Energy, Reactive Power & Energy, line Frequency.
Ranges of measured parameters - model depended	<ul style="list-style-type: none"> Voltage: 100 to 240 Vac, 50 to 60 Hz Current: up to 15 Ampere
Accuracy	<0,5% of reading measurement error
Build-in data log record	2000 records

Wireless coverage	Zigbee mesh topology, NB-IoT coverage
Dimensions	43.5 x 83 x 37 (X,Y,Z in mm)
Operating environment	Temperature: -20° C to 50° C Relative Humidity: 10% to 90% (RH), non-condensing