

ENERGY OT

Version: CO2



COMPLETE MANUAL

September 2015 (English), version 1.0. EnergyOT CO2
Developed and Manufactured by Genoa Spark, lda
Made in Portugal

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<http://www.eot.pt>

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INTRODUCTION

The EnergyOT CO2 version is a development device that measures the CO2 of your home or business using adequate sensors. Once installed and configured this device reads, processes and sends the data directly to your account in the cloud.

The EnergyOT uses the my.eot.pt platform to collect data and give you direct and real-time access to your data.

This manual describes the installation of the EnergyOT CO2 version, as well as means of operation, configuration and troubleshoot.

READ BEFORE USE

MANUFACTURER'S DISCLAIMER STATEMENT

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WARNINGS

- Please observe the following safety precautions to avoid possible electric shocks, fire, or personal injury:
- Use the product only as specified as otherwise the safety of the product is not sufficient.
- Do not use the product in environments with explosive gas or vapors, nor in damp or wet environments.
- Do not use damaged power cords and cables. Check the power cords and cables for damaged insulation and exposed metal. Check the connection of the power cord.
- Do not use the product if it is damaged.
- Repairs should only be done by authorized technicians.
- Do not open the product. There is a potential for damaging the equipment.
- Do not cover the device with metallic materials or metallic tape. It will seriously reduce the Wi-Fi signal.

MAINTENANCE

- Clean only the outside with a dry, clean cloth.
- Do not use abrasive agents, abrasive glues or solvents.
- Check the troubleshoot section or contact the support team before trying to manually fix a nonfunctioning device.

TECHNICAL SPECIFICATIONS

EnergyOT

- **Dimensions:** 100mmx75mmx40mm
- **Communication:** Wi-Fi 802.11 b/g/n 2.4 GHz
- **Range:** Up to 500 meters
- **Weight:** 100g
- **Material:** PLA and Acrylic
- **Power:** Micro USB 5VDC, 1A
- **Logging Frequency:** 60 sec

CO2 Sensor

- **Type:** non-dispersive infrared (NDIR)
- **Operational Range:** 0 – 10,000 ppm (0-5,000 ppm within specifications)
- **Precision:** ± 30 ppm $\pm 3\%$ of measured value within specifications
- **Repeatability:** ± 20 ppm $\pm 1\%$ of measured value within specifications
- **Sensor Life Expectancy:** > 15 years

WHAT'S IN THE BOX

Congratulations on being the owner of the EnergyOT CO2! Your box should include:

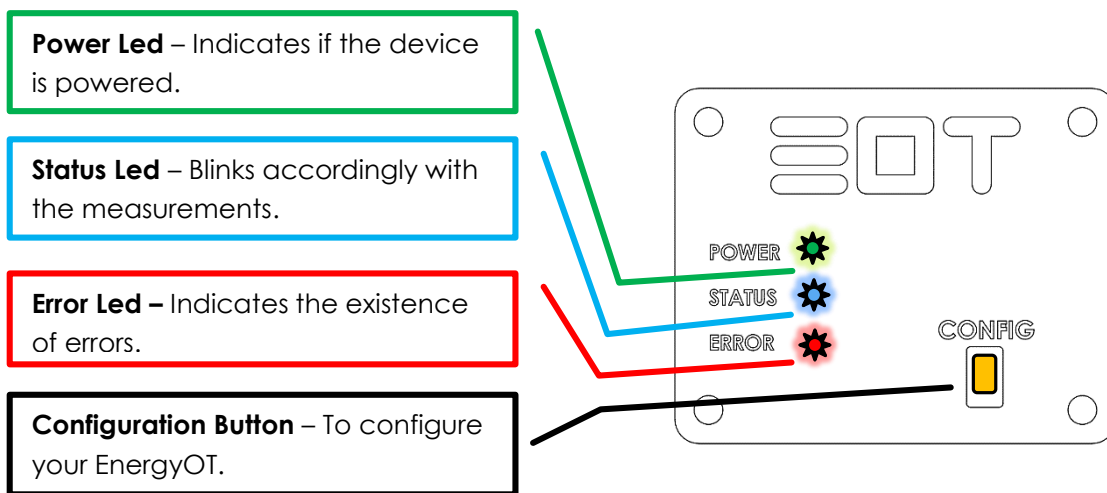
- **EnergyOT CO2;**
- **Documentation for installation and configuration.**

INSTALLATION AND OPERATION

DESCRIPTION

This guide was developed to help you install and configure your EnergyOT CO2. The installation of this equipment is easy and consists on placing it wherever you want to measure and feed the energyot meter with a micro USB power supply. To operate the energyot follow the next set of quick instructions.

FRONT PANEL



CONFIGURING YOUR DEVICE TO YOUR NETWORK

1. You must register in the my.eot.pt platform before starting the device configuration.
2. Plug the micro USB to the EnergyOT device in order to power it.
3. You have 5 seconds from the moment you power the EnergyOT to press the configuration button.
4. All LEDs will light up (green, blue and red) indicating that the device is now in configuration mode (If by any chance you have not been able to press the Config. button within the 5 second limit switch it off, turn it on and try again) .
5. Download the configuration tool that best suit the platform that will use (Windows, Mac, Linux or Android) in www.eot.pt/en/downloads.html

EnergyOT

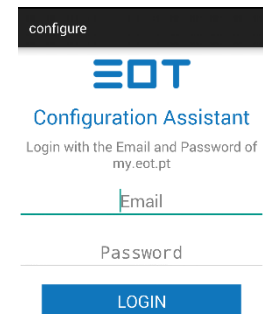


MY EOT

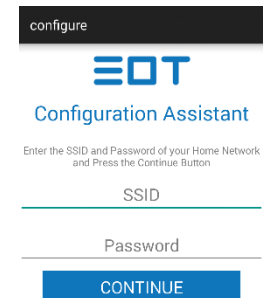
CONFIGURATION ASSISTANT

WWW.EOT.PT

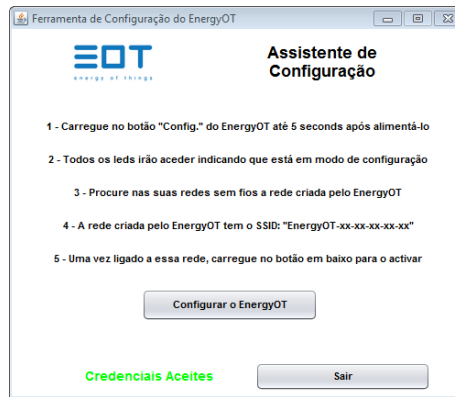
6. Follow the instructions of the configuration tools. Briefly these applications will point you to:
 - a. Login in the application with the email and password of your account in the my.eot.pt platform and choose to activate a new EnergyOT;

- b. Enter the SSID and password of your wireless network.

- c. After you have entered all the parameters change your wireless network and connect to the network generated by the EnergyOT (the SSID of the network is EnergyOT xx-xx-xx-xx).
- d. Make sure that at this stage your computer is connected to the EnergyOT (EnergyOT xx-xx-xx-xx), and click "Configure EnergyOT".



7. The EnergyOT is now configured! Congratulations! Now you can check your data online.
8. If you are experiencing any problems with the configuration check the troubleshoot section in this manual or contact the support team.



If you want to change or made a mistake entering your network SSID or Password, you need to go back to step 1 again.

TROUBLESHOOT

DESCRIPTION

When operating the EnergyOT CO2 device you may run into issues. This is a handy guide to some simple-to-fix problems. Also, if your device has been stolen, contact us so that we can disable the equipment.

Problem	Solution
The device doesn't turn on (green led doesn't light up).	<ul style="list-style-type: none"> • Try to replace the micro USB power supply unit. • Have any components been damaged? Visually inspect both sides of the device. • Try to press the configuration button shortly after powering it up to see if the other two led's light up (If so, the device works but the green led is broken).
The device does not send data - The blue led is on and the red led is blinking.	<ul style="list-style-type: none"> • The EnergyOT CO2 is not configured to your Network, follow the instruction in the Operations section to configure it.
The device does not send data – The blue and red led's are blinking synchronously.	<ul style="list-style-type: none"> • The device failed to connect with the platform, try to re-configure it and contact the support team.
The device enters in configuration mode (all leds light up) but never leaves this state after I send my network credentials.	<ul style="list-style-type: none"> • Confirm that you are connected to the access point generated by the EnergyOT CO2 (The SSID should be EnergyOT-xx-xx-xx-xx-xx") when you send your credentials to the EnergyOT. • Try to configure it again with configuration application available in www.eot.pt/downloads.html.
The device does not send data - The red led is always on	<ul style="list-style-type: none"> • No network response: Check if the Network where the EnergyOT CO2 is linked is connected to the internet.

SUPPORT

If you have any questions regarding the EnergyOT CO2 that are not contemplated in this troubleshoot section, please send an email to our support team: contact@energyot.pt.