

MeteoMex Aeria



Configurando un dispositivo

24/11/2022

Actualización: 24/08/2023



¡Gracias!

Muchas gracias por instalar uno de nuestros dispositivos MeeoMex Aeria con el cual podrás monitorear los parámetros climáticos y la calidad del aire.

En esta guía de configuración e instalación, te daremos los pasos necesarios para instalarlo en la zona donde realizarás las mediciones.

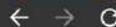


Preparativos para la configuración

Instalar arduino

en la computadora que se usará





google.com/search?q=arduino+windows&oq=arduino+windows&aqs=chrome..69i57j69i59l2.3812j0j7&sourceid=chrome&ie=UTF-8



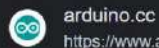
Google

arduino windows



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Cerca de 32,600,000 resultados (0.25 segundos)



arduino.cc
https://www.arduino.cc › Guide · Traducir esta página

Arduino IDE 1 Installation (Windows)

This document explains how to install the **Arduino Software (IDE)** on **Windows** machines. Download the **Arduino Software (IDE)**. Get the latest version from the ...



https://support.arduino.cc › articles · Traducir esta página

Download and install Arduino IDE

4 abr 2023 — **Windows** · Download the latest release. · Follow the instructions in the installation guide. · When completing the setup, leave **Run Arduino IDE** ...

Videos



Descargar e Instalar Arduino IDE 2.0 en Windows 10 | Ultima ...

YouTube · Kriss Electronics
26 nov 2022

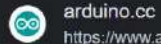
Buscar en Google
Arduino windows

Google

arduino windows

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Cerca de 32,600,000 resultados (0.25 segundos)



arduino.cc

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Arduino IDE 1 Installation (Windows)

This document explains how to install the **Arduino Software (IDE)** on **Windows** machines. Download the **Arduino Software (IDE)**. Get the latest version from the ...



Ingresa a la página oficial para descargar el programa

https://support.arduino.cc › articles · Traducir esta página

Download and install Arduino IDE

4 abr 2023 — **Windows** · Download the latest release. · Follow the instructions in the installation guide. · When completing the setup, leave **Run Arduino IDE** ...

Videos



Descargar e Instalar Arduino IDE 2.0 en Windows 10 | Ultima ...

YouTube · Kriss Electronics
26 nov 2022



Arduino Help Center > Software Support > Installation

Download and install Arduino IDE

Learn how to download and install the desktop-based Arduino IDE.

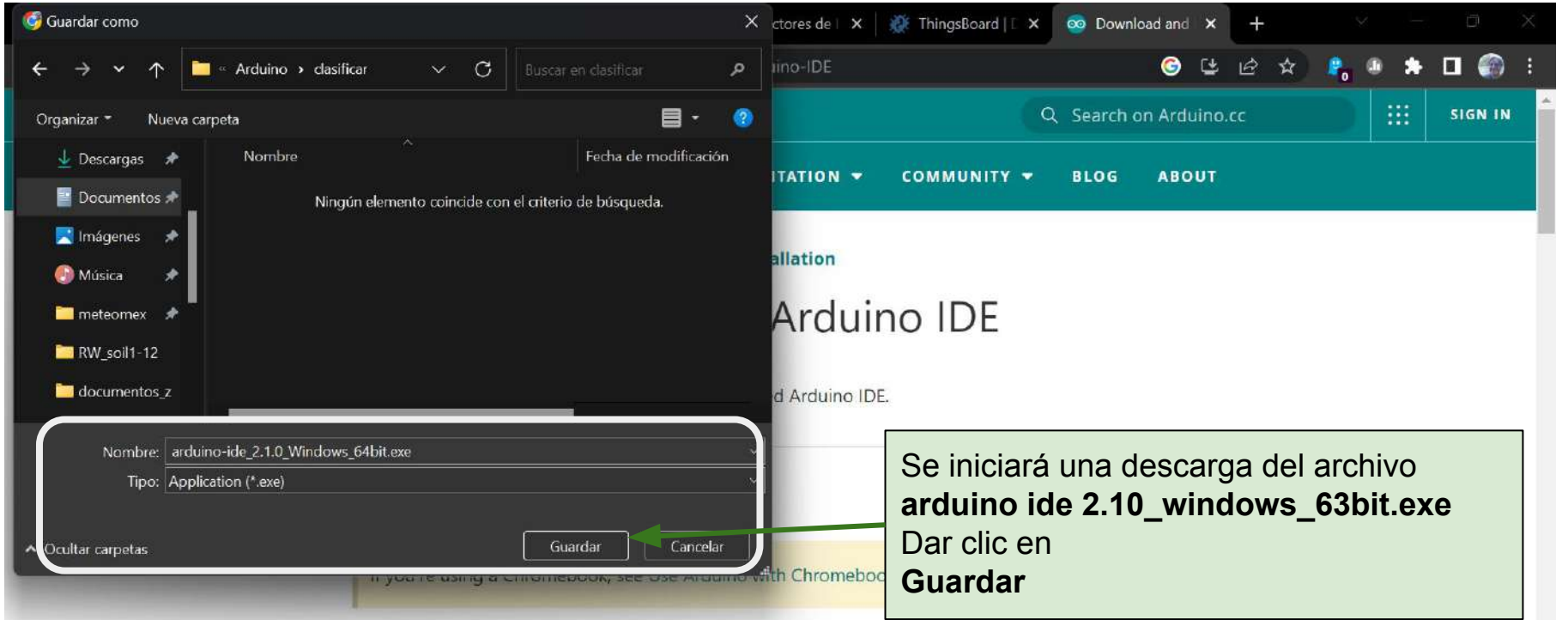
Installation instructions

If you're using a Chromebook, see [Use Arduino with Chromebook](#).

Windows

1. [Download the latest release.](#)
2. Follow the instructions in the installation guide.
3. When completing the setup, leave *Run Arduino IDE* ticked to launch the application, or launch it later from the Start Menu.

En la página oficial selecciona **Download the latest release**

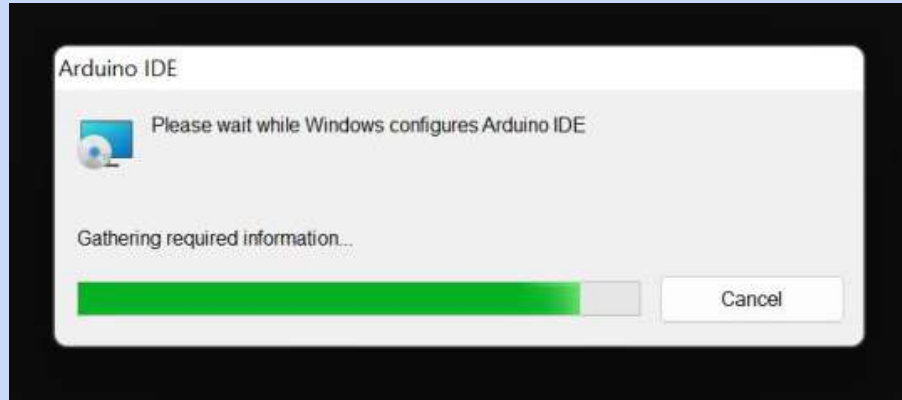


Windows

1. [Download the latest release.](#)
2. Follow the instructions in the installation guide.
3. When completing the setup, leave *Run Arduino IDE* ticked to launch the application, or launch it later from the Start Menu.

https://downloads.arduino.cc/arduino-ide/arduino-ide_latest_Windows_64bit.exe

Una vez descargado el archivo de instalación, damos doble click en el archivo y esperamos a que se realice la instalación.



El instalador se cerrará, pero veremos el acceso directo en nuestro escritorio.



De este modo, tenemos instalado el Arduino IDE.

1. Abrir arduino

Damos doble clic sobre el acceso directo que dice
Arduino IDE



Así se ve la pantalla mientras abre Arduino



Seleccionar Placa

sketch_nov21a.ino

```
1 void setup() {  
2   // put your setup code here, to run once:  
3  
4 }  
5  
6 void loop() {  
7   // put your main code here, to run repeatedly:  
8  
9 }  
10
```

Así se ve la pantalla una vez que tenemos abierto Arduino

2. Configuración inicial

- Nuevo Ctrl + N
- Abrir... Ctrl + O
- Abierto recientemente
- Sketchbook
- Ejemplos
- Cerrar Ctrl + W
- Save Ctrl + S
- Save As... Ctrl + Mayús + S
- Preferencias... Ctrl + Coma
- Avanzado
- Salir Ctrl + Q
- Cerrar editor Ctrl + F4

```

Mini Pro
_VOCs_BF_CocoColima.ino
...
ects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
d strings you have to use the ThingsBoard server address and the access token of your device
eteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
s is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
@ Robert Winkler <robert.winkler.mail@gmail.com>
...
be modified and distributed under the terms
e.

```

Ir a:
Archivo > Preferencias

```

15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "Totalplay-9AAB";
19 const char* password = "9AAB9535aqyZfe3Y";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms

```


LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_

```
1 /*
2  * This program is
3  * In the ThingsBoard
4  * e.g. http://www.
5  * the server address
6  *
7  * Copyright (C)
8  *
9  * This software is
10 * of the MIT license
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266WebServer.h>
17
18 const char* ssid = "MeteoMex";
19 const char* password = "12345678";
20
21 // Configuration
22
23 #include "Wire.h"
24 #include <BME280.h>
25
26 //https://github.com
```

Preferencias

Configuración Red

Ruta del Sketchbook:

c:\Users\rszrh\OneDrive\Documentos\Arduino

EXPLORAR

 Ver los ficheros dentro de los bocetos

Tamaño de letra del editor: 14

Escala de la interfaz: Automático 100 %

Tema de color: Dark (Arduino)

Lenguaje del editor: español (Recarga necesaria)

Mostrar salida verbosa durante Compilar Carga

alertas de compilación: None

 Verificar el código después de cargarlo Autoguardado Sugerencias rápidas del editor

URLs adicionales de gestor de placas:



CANCELAR

ACEPTAR

En la ventana que se abra, ingresar la dirección:
http://arduino.esp8266.com/stable/package_esp8266com_index.json

LOLIN(WEMOS) D1 mini Pro [no conectado]

ESP
LAA07:16 a. m.
14/08/2023

LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_

Preferencias

Configuración Red

Ruta del Sketchbook:

c:\Users\srzrh\OneDrive\Documentos\Arduino

EXPLORAR

 Ver los ficheros dentro de los bocetos

Tamaño de letra del editor: 14

Escala de la interfaz: Automático 100 %

Tema de color: Dark (Arduino)

Lenguaje del editor: español (Recarga necesaria)

Mostrar salida verbosa durante Compilar Carga

alertas de compilación: None

 Verificar el código después de cargarlo Autoguardado Sugerencias rápidas del editorURLs adicionales de gestor de placas: http://arduino.esp8266.com/stable/package_esp8266com_index.jsonDar clic en **ACEPTAR**

CANCELAR

ACEPTAR



MeteoMex_U

1 /*
2 *
3 *
4 *
5 *
6 *
7 *
8 *
9 *
10 *
11 *
12 *
13 //
14 *
15 #i
16 #i

Auto Formato Ctrl + T

Archivo de programa

Gestionar bibliotecas... Ctrl + Mayús + I

Monitor Serie Ctrl + Mayús + M

Plotter Serie

Placa: "LOLIN(WEMOS) D1 mini Pro" Gestor de placas... Ctrl + Mayús + B

Puerto: "COM21" Arduino AVR Boards

Obtener información de la placa esp8266

Actualizador de Firmware de WiFi101 / WIFININA

Cargar certificados raíz SSL

Upload Speed

Debug port

Flash Size

C++ Exceptions

IwIP Variant

Debug Level

MMU

Non-32-Bit Access

SSL Support

Stack Protection

VTables

Erase Flash

CPU Frequency

Grabar Bootloader

...omex.com) by WiFi and sends data to a ThingsBoard server
...ard server address and the access token of your device

...terms

Ir a:
Herramientas > Placa > Gestor de placas

Salida Mon

Mensaje (Ctr

15:36:16.4
15:36:16.4
15:36:16.4
15:36:17.6
15:36:17.6
15:37:18.0
15:37:18.0
15:37:19.2
15:37:19.2

...21') Ambos NL & CR 115200 baud

Pressure: 83024.30 Pa

Pressure: 83024.70 Pa

LOLIN(WEMOS) D1 min...

GESTOR DE PLACAS

esp8266

esp8266 de ESP8266

Community

Versión 3.0.2

INSTALLED

Boards included in this package:

SparkFun Blynk Board,
 ESPresso Lite 1.0, Invent
 One, SweetPea ESP-210,
 SparkFun ESP8266 Thing
 Dev, WiFi Kit 8, Digistump
 Oak, XinaBox CW01,
 Schirmilabs Eduino WiFi,
 LOLIN(WEMOS) D1 R2 &
 mini, Generic ESP8285
 Module, Generic ESP8266
 Module, Seeed Wio Link,
 Phoenix 2.0, Arduino, DOIT
 ESP-Mx DevKit (ESP8285),
 ITEAD Sonoff, Lifyly
 Agrumino Lemon v4,
 LOLIN(WEMOS) D1 mini Pro,
 ESPresso Lite 2.0, NodeMCU
 1.0 (ESP-12E Module),
 Adafruit Feather HUZZAH
 ESP8266, LOLIN(WEMOS)
 D1 mini Lite, Phoenix 1.0,
 LOLIN(WeMos) D1 R1,
 NodeMCU 0.9 (ESP-12
 Module), Amperka WiFi Slot,
 Olimex MOD-WIFI-ESP8266(-
 DEV), LOLIN(WEMOS) D1
 mini (clone), ESPduino (ESP-

Escribir en el buscador:
 esp8266

Seleccionar la opción que dice
esp8266 de ESP8266 Community

```

11  */
12
13  // Configure network
14
15  #include <ESP8266WiFi.h>
16  #include <ESP8266HTTPClient.h>

```

Salida Monitor Serie x

Mensaje (Ctrl + Enter para enviar el mensaje a 'LOLIN(WEMOS) D1 mini Pro' en 'COM21')

Ambos NL & CR

115200 baud

```

15:36:16.442 -> Connecting..
15:36:16.442 -> 192.168.0.102
15:36:16.442 -> Temp: 25.78 °C Humidity: 42.20% RH Pressure: 83024.30 Pa
15:36:17.606 -> eCO2: 671 ppm tVOC:41 ppb
15:36:17.606 ->
15:37:18.056 -> 192.168.0.102
15:37:18.056 -> Temp: 25.78 °C Humidity: 42.40% RH Pressure: 83024.70 Pa
15:37:19.258 -> eCO2: 699 ppm tVOC:45 ppb
15:37:19.258 ->

```

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

21°C
Nublado

Búsqueda

ESP
LAA03:38 p. m.
21/11/2022

LOLIN(WEMOS) D1 min...

GESTOR DE PLACAS

esp8266

LOLIN(WEMOS) D1 mini, Generic ESP8285 Module, Generic ESP8266 Module, Seeed Wio Link, Phoenix 2.0, Arduino, DOIT ESP-Mx DevKit (ESP8285), ITEAD Sonoff, Lively Agrumino Lemon v4, LOLIN(WEMOS) D1 mini Pro, ESPresso Lite 2.0, NodeMCU 1.0 (ESP-12E Module), Adafruit Feather HUZZAH ESP8266, LOLIN(WEMOS) D1 mini Lite, Phoenix 1.0, LOLIN(WeMos) D1 R1, NodeMCU 0.9 (ESP-12 Module), Amperka WiFi Slot, Olimex MOD-WIFI-ESP8266(-DEV), LOLIN(WEMOS) D1 mini (clone), ESPduino (ESP-13 Module), WiFiduino, ESPino (ESP-12 Module), ESPectro Core, SparkFun ESP8266 Thing, ThaiEasyElec's ESPino, WifInfo, 4D Systems gen4 IoT Range

Más información

3.0.1

INSTALAR

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```

1  /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>

```

Salida Monitor Serie x

Mensaje (Ctrl + Enter para enviar el mensaje a 'LOLIN(WEMOS) D1 mini Pro' en 'COM21')

Ambos NL & CR

115200 baud

```

15:40:34.155 -> Connecting..
15:40:34.155 -> 192.168.0.102
15:40:34.155 -> Temp: 25.77 °C Humidity: 42.13% RH Pressure: 83025.06 Pa
15:40:35.259 -> eCO2: 832 ppm tVOC:65 ppb
15:40:35.259 -> eCO2: 832 ppm Humidity: 42.07% RH Pressure: 83025.03 Pa
15:40:35.259 -> eCO2: 832 ppm tVOC:69 ppb

```

Clic en INSTALAR

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

3. Agregar librerías

son 2 librerías

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://test.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address and the access token is Kwu00m3krZGq20A5PJnw
6  */
7
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Clic en
Gestor de Bibliotecas

Salida Monitor Serie x

Mensaje (Ctrl + Enter para enviar el mensaje a 'LOLIN(WEMOS) D1 mini Pro' en 'COM21')

Ambos NL & CR

115200 baud

```
15:46:56.441 ->
15:47:57.051 -> 192.168.0.102
15:47:57.051 -> Temp: 25.77 °C      Humidity: 42.58% RH      Pressure: 83024.76 Pa
15:47:58.261 -> eCO2: 1065 ppm              tVOC:101 ppb
15:47:58.261 ->
15:48:58.845 -> 192.168.0.102
15:48:58.845 -> Temp: 25.77 °C      Humidity: 42.36% RH      Pressure: 83024.59 Pa
15:49:00.044 -> eCO2: 1140 ppm              tVOC:112 ppb
15:49:00.044 ->
```

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

1. BME 280

LOLIN(WEMOS) D1 min...

Escribir en el buscador:
BME280

GESTOR DE BIBLIOTECAS

BME280

Adafruit BME280 Library de Adafruit

Arduino library for BME280 humidity and pressure sensors.

Arduino library for BME280 sensors.

[Más información](#)**BlueDot BME280 Library** de BlueDot

Read temperature, relative humidity and pressure with BME280 sensor. Library provides code to read two BME280 sensors on I2C bus. Also provide code to read multiple BME280 sensors on SPI mode.

BlueDot library for BME280 sensors.

[Más información](#)**BlueDot BME280 TSL2591** de BlueDot

Read temperature, relative humidity, pressure and illuminance with BME280 and TSL2591 sensors.

BlueDot library for BME280 and TSL2591 sensors.

```
4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

21°C
Nublado

Búsqueda

ESP
LAA03:51 p. m.
21/11/2022

25

LOLIN(WEMOS) D1 min...

Buscar la opción que dice BME280 de Tyler Glenn. Versión 3.0.0

GESTOR DE BIBLIOTECAS

BME280

humidity sensor.
Más información

BME280 de Tyler Glenn
<finitespaceghb2@junk.yogle>
Versión 3.0.0 **INSTALADO**

Reads temperature, humidity, and pressure. Includes environment calculations. Provides functions for english and metric. Also reads pressure in Pa, hPa, inHg, atm, bar, torr, N/m^2 and psi. ESP and BRZO I2C support. Provides a library for reading and interpreting Bosch BME280 environmental sensor data over I2C, SPI or Sw SPI.

Más información

2.3.0

INSTALAR

BME280_Zanshin de
<https://github.com/SV-Zanshin>

Access the Bosch BME280 temperature, humidity and pressure sensor
Access the Bosch BME280 temperature, humidity and

```

4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>

```

Salida

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

LOLIN(WEMOS) D1 min...

GESTOR DE BIBLIOTECAS

BME280

humidity sensor.
Más información

BME280 de Tyler Glenn

<finitespaceghb2@junk.yogle>

Versión 3.0.0

INSTALLED

Reads temperature, humidity,
and pressure. Includes
environment calculations.Provides functions for english
and metric. Also readspressure in Pa, hPa, inHg,
atm, bar, torr, N/m^2 and psi.
ESP and BRZO I2C support.Provides a library for reading
and interpreting Bosch
BME280 environmentalsensor data over I2C, SPI or
Sw SPI.

Más información

2.3.0

INSTALAR

BME280_Zanshin de

<https://github.com/SV-Zanshin>Access the Bosch BME280
temperature, humidity and
pressure sensorAccess the Bosch BME280
temperature, humidity and

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida

Clic en INSTALAR

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

21°C

Nublado

Búsqueda

ESP

LAA

03:54 p. m.

21/11/2022

2. SparkFun

LOLIN(WEMOS) D1 min...

Escribir en el buscador:
SparkFun

GESTOR DE BIBLIOTECAS

SparkFun

AsyncBMP180Wrapper de Centaq

<marcinboniakowski@gmail.c

Handles constant refreshes of BMP180 data in the background

Async wrapper for Sparkfun BMP180 lib

[Más información](#)**GobbitLineCommand de Jason Talley**

<jason@primalengineering.co

The built in functions range from simple out of the box single command line following and gripper actuation to deep fine tuning of PID motor control functions which include battery monitoring for variable manipulation, pin selections for custom L298 or similar style motor drivers, sonar range sensor and collision control, presets for the Sparkfun Ardumoto motor driver, and presets for the Adafruit v 2.3 motor shields. For line following, the Pololu QTR-8RC infrared line sensor is required. The Adafruit Motor Shield V2 and the

```
4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

LOLIN(WEMOS) D1 min...

GESTOR DE BIBLIOTECAS

SparkFun

BNO080/BNO085

[Más información](#)

SparkFun CCS811 Arduino Library de SparkFun Electronics
 <techsupport@sparkfun.com>
 Versión 1.0.6 **INSTALADO**

The [a](https://www.sparkfun.com) Air Quality Breakout is a digital gas sensor solution that senses a wide range of Total Volatile Organic Compounds (TVOCs), including equivalent carbon dioxide (eCO2) and metal oxide (MOX) levels. It is intended for indoor air quality monitoring in personal devices such as watches and phones, but we've put it on a breakout board so you can use it as a regular I2C device. An Arduino library to drive the AMS CCS811 by I2C.

[Más información](#)

2.0.3

INSTALAR

SparkFun External EEPROM

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```

1  /*
2   * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3   * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4   * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry

```

Buscar la opción que dice
SparkFun CCS811 Arduino Library de SparkFun Electronics

```

10  * of the MIT license.
11  */
12
13  // Configure network
14
15  #include <ESP8266WiFi.h>
16  #include <ESP8266HTTPClient.h>

```

Salida

Lín. 14, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

LOLIN(WEMOS) D1 min...

GESTOR DE BIBLIOTECAS

SparkFun

<techsupport@sparkfun.com>

Versión 1.0.6

INSTALLED

The <a

href="https://www.sparkfun.com/

Air Quality Breakout is a

digital gas sensor solution that

senses a wide range of Total

Volatile Organic Compounds

(TVOCs), including equivalent

carbon dioxide (eCO2) and

metal oxide (MOX) levels. It is

intended for indoor air quality

monitoring in personal

devices such as watches and

phones, but we've put it on a

breakout board so you can

use it as a regular I2C device.

An Arduino library to drive the

AMS CCS811 by I2C.

[Más información](#)

2.0.3

2.0.3

2.0.2

2.0.1

Sf 2.0.0

External EEPROM

Ar 1.0.7

library de

Sf 1.0.5

Electronics

A 1.0.4

for the advanced

cc 1.0.3

any I2C based

EEPROM. This library writes

extremely fast and

automatically handles the

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Buscar la versión 1.0.7

Es MUY importante que sea esta versión

LOLIN(WEMOS) D1 min...

GESTOR DE BIBLIOTECAS

SparkFun



<techsupport@sparkfun.com>

Versión 1.0.6

INSTALADO

The [Air Quality Breakout](https://www.sparkfun.com/Air-Quality-Breakout) is a digital gas sensor solution that senses a wide range of Total Volatile Organic Compounds (TVOCs), including equivalent carbon dioxide (eCO2) and metal oxide (MOX) levels. It is intended for indoor air quality monitoring in personal devices such as watches and phones, but we've put it on a breakout board so you can use it as a regular I2C device. An Arduino library to drive the AMS CCS811 by I2C.

Más información

1.0.7

INSTALAR

Clic en INSTALAR

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```
1  /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida



4. Abrir archivo .ino

- Nuevo Ctrl + N
- Abrir... Ctrl + O
- Abierto recientemente
- Ejemplos
- Cerrar Ctrl + W
- Save Ctrl + S
- Save As... Ctrl + Mayús + S
- Preferencias... Ctrl + Coma
- Avanzado
- Salir Ctrl + Q
- Cerrar editor Ctrl + F4

```
code here, to run once:  
  
code here, to run repeatedly:
```

Clic en:
Archivo > Abrir

⚠ Unable to watch for file changes in this large workspace. Please follow the instructions link to resolve this issue. ✕

INSTRUCTIONS

Abrir

← → ↕ ↑ « Arduino » Aeria » ENES » Buscar en ENES

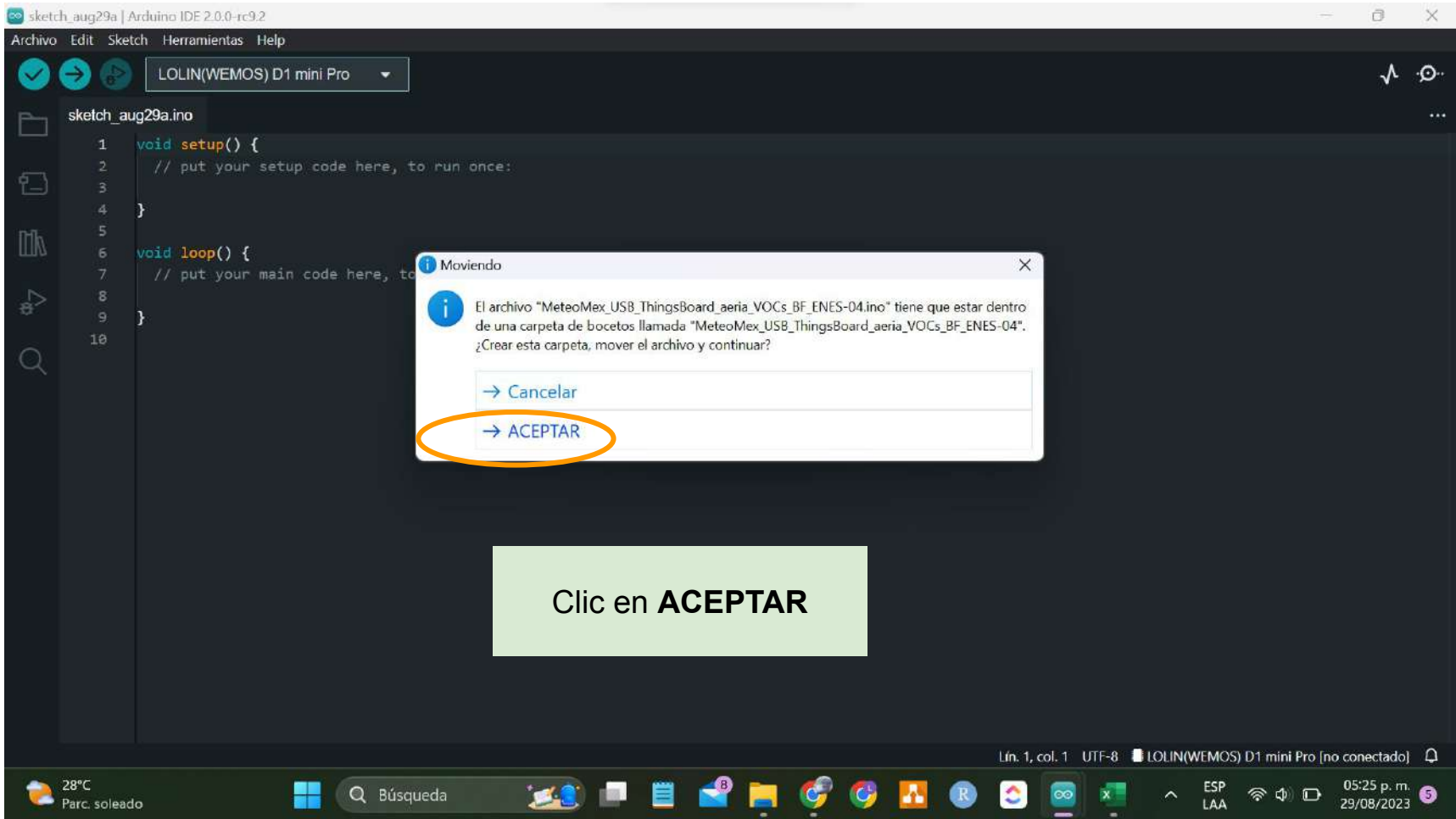
Organizar Nueva carpeta

Nombre	Fecha de modificación	Tipo
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-01	19/07/2023 10:58 a. m.	Carpeta de
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-03	18/07/2023 12:27 p. m.	Carpeta de
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-06	29/05/2023 12:18 p. m.	Carpeta de
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-07	26/05/2023 08:43 a. m.	Carpeta de
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11	21/11/2022 03:06 p. m.	Carpeta de
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-14	12/11/2022 11:12 a. m.	Carpeta de
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-15	12/11/2022 12:06 p. m.	Carpeta de
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-...	18/07/2023 05:29 p. m.	Archivo INI

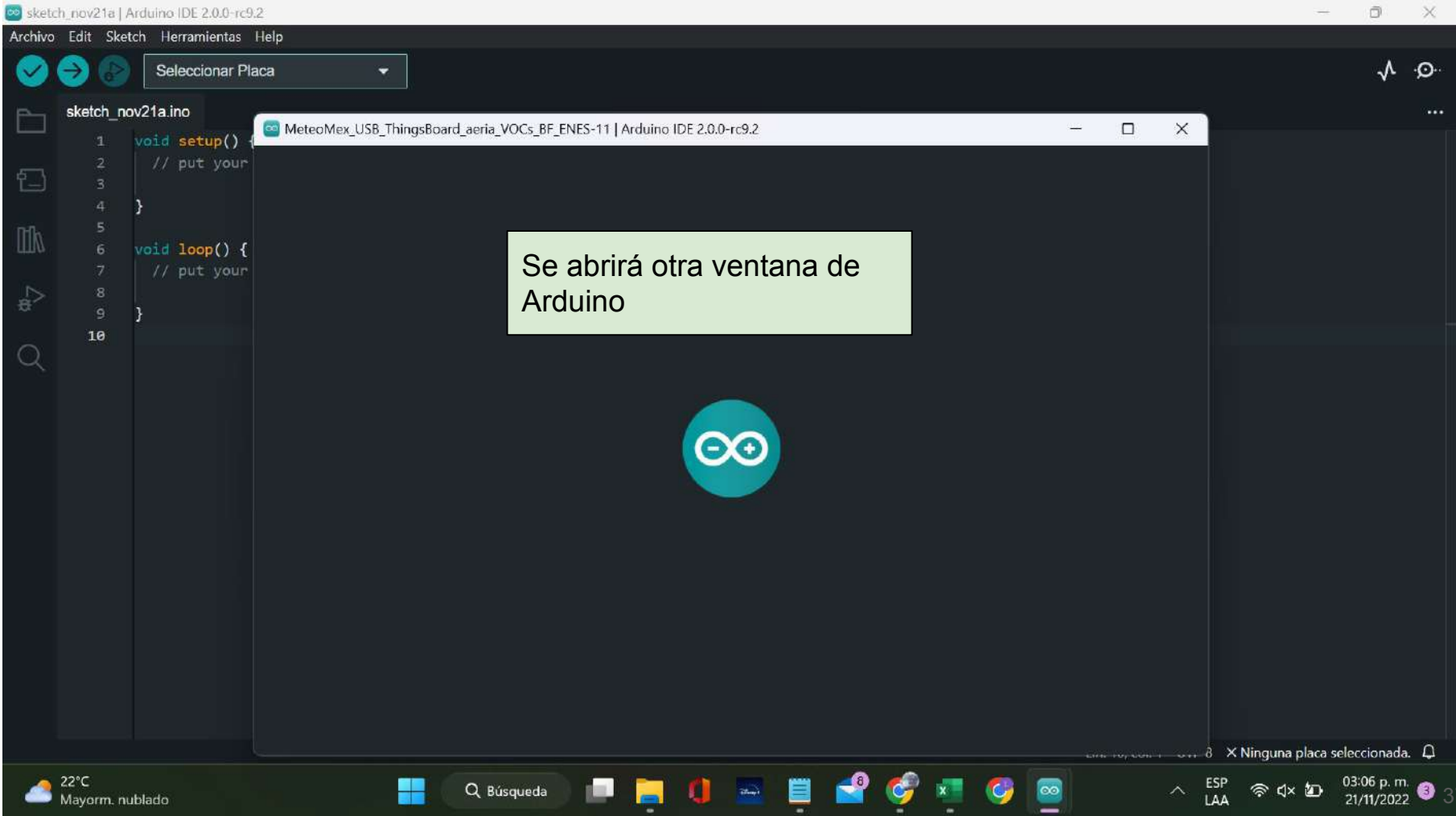
Nombre: MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-04.ino Sketch (*.ino;*.pde)

Abrir Cancelar

Buscar el archivo .ino
Clic en **Abrir**



Clic en **ACEPTAR**



Se abrirá otra ventana de Arduino



X Ninguna placa seleccionada.

22°C
Mayorm. nublado

Búsqueda

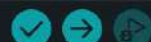
ESP LAA
03:06 p. m.
21/11/2022



LOLIN(WEMOS) D1 mini Pro

sketch_aug29a.ino

```
1 void setup() {
2   // put your code here
3 }
4
5
6 void loop() {
7   // put your code here
8 }
9
10
```



LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-04.ino

```
1  /*
2   * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to
3   * In the ThingsBoard strings you have to use the ThingsBoard server address and the access to
4   * e.g. http://www.meteomex.com:8080/api/v1/dQgqASmiUgy1HbFiPGaf/telemetry
5   * the server address is www.meteomex.com:8080 and the access token is dQgqASmiUgy1HbFiPGaf
6   *
7   * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8   *
9   * This software may be modified and distributed under the terms
10  * of the MIT license.
11  */
12
13  // Configure network
14
15  #include <ESP8266WiFi.h>
16  #include <ESP8266HTTPClient.h>
17
18  const char* ssid = "MEGACABLE-9740";
19  const char* password = "CQLHGYN4HI5";
20
21  // Configuration of sensors
22
```



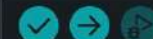
Seleccionar Placa

sketch_may12a.ino

```
1 void setup() {
2   // put your
3
4 }
5
6 void loop() {
7   // put your
8
9 }
10
```

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_BSM-1 | Arduino IDE 2.0.0-rc9.2

Archivo Edit Sketch Herramientas Help



Seleccionar Placa

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_BSM-1.ino

```
1  /*
2   * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to
3   * In the ThingsBoard strings you have to use the ThingsBoard server address and the access to
4   * e.g. http://www.meteomex.com:8080/api/v1/nWyCKh8bpbGIAAOKt2UD/telemetry
5   * the server address is www.meteomex.com:8080 and the access token is nWyCKh8bpbGIAAOKt2UD
6   *
7   * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8   *
9   * This software may be modified and distributed under the terms
10  * of the MIT license.
11  */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "ARRIS_EXT";
19 const char* password = "exact3600chores";
20
21 // Configuration of sensors
22
```

Podemos cerrar la primera ventana que nos abrió de Arduino



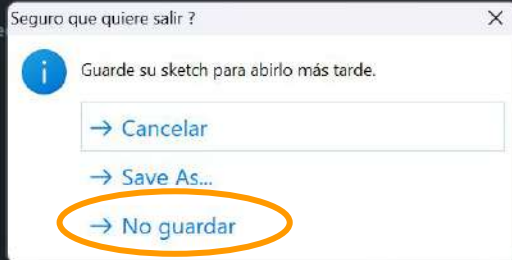
Lín. 1, col. 1 UTF-8 X Ninguna placa seleccionada.

X Ninguna placa seleccionada.



sketch_may12a.ino

```
1 void setup() {  
2   // put your setup code here, to run once:  
3  
4 }  
5  
6 void loop() {  
7   // put your main code here, to run repeatedly:  
8  
9 }  
10
```



Clic en No guardar

Configurando el dispositivo

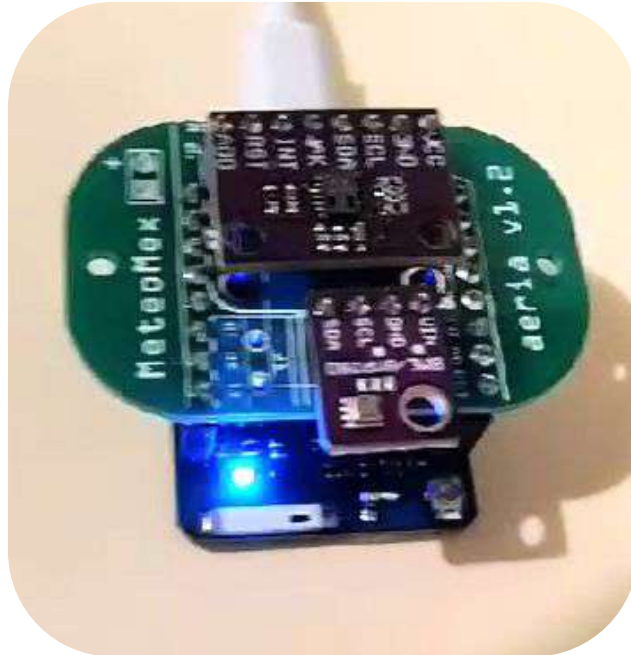
5. Seleccionar la placa

Conectar la placa a nuestra computadora



¡Importante!

Verifica que la luz azul de la placa Wemos (azul) encienda cuando conectes el cable USB.





```
MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino
1
2
3
4
5
6
7
8
9
10
11
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "Megacable_2.4G_0812";
19 const char* password = "ktLHnxzG";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Clic en:
Seleccionar Placa

Seleccionar el puerto que dice:
Desconocido
COM21 (puede ser otro número)

Seleccionar Placa

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENI

```
1 /*
2  * This program connects a Meteo
3  * In the ThingsBoard strings yo
4  * e.g. http://www.meteomex.com:
5  * the server address is www.met
6  *
```

Seleccionar Placa

Seleccione otra placa y puerto

Selecciona tanto una placa como un puerto si quieres cargar un sketch.
Si seleccionas solo una placa podrás compilar, pero no cargar tu sketch.

BOARDS

loli

LOLIN(WEMOS) D1 R2 & mini

LOLIN(WEMOS) D1 mini (clone)

LOLIN(WEMOS) D1 mini Lite

LOLIN(WEMOS) D1 mini Pro

LOLIN(WeMos) D1 R1

PORTS

COM21 Serial Port (USB)

 Show all ports

CANCELAR

ACEPTAR

Es muy importante buscar la
palabra:
LOLIN

Seleccionar la placa que dice:
LOLIN(WEMOS) D1 mini Pro

```
18 //const char ssid = "MeteoMex_11";
19 const char* password = "ktLHnxzG";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Seleccionar Placa

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENI

```
1 /*
2  * This program connects a Meteo
3  * In the ThingsBoard strings yo
4  * e.g. http://www.meteomex.com:
5  * the server address is www.met
6  *
7  * Copyright (C) 2020 Robert Win
8  *
9  * This software may be modified
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "Megacable_2."
19 const char* password = "ktLHnxzG
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Seleccionar Placa

Seleccione otra placa y puerto

Selecciona tanto una placa como un puerto si quieres cargar un sketch.
Si seleccionas solo una placa podrás compilar, pero no cargar tu sketch.

BOARDS

loli

LOLIN(WEMOS) D1 R2 & mini	
LOLIN(WEMOS) D1 mini (clone)	
LOLIN(WEMOS) D1 mini Lite	
LOLIN(WEMOS) D1 mini Pro	✓
LOLIN(WeMos) D1 R1	

PORTS

COM21 Serial Port (USB) ✓

 Show all ports

CANCELAR

ACEPTAR

and server
r deviceDar clic en
ACEPTAR

LOLIN(WEMOS) D1 min...

Verificamos que aparezca aquí el nombre de la placa

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/5up17oxqF6jqjiSg0Yzs/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is 5up17oxqF6jqjiSg0Yzs
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "Megacable_2.4G_0812";
19 const char* password = "ktLHnxzG";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Lín. 19, col. 33 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

6. Cambiar la red de internet

LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_IMADES-1.ino

```
1  /*
2   * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3   * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4   * e.g. http://www.meteomex.com:8080/api/v1/cbg3tdPrkEpkv4Mg9I0t/telemetry
5   * the server address is www.meteomex.com:8080 and the access token is cbg3tdPrkEpkv4Mg9I0t
6   *
7   * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8   *
9   * This software may be modified and distributed under the terms
10  * of the MIT license.
11  */
12
13  // Configure network
14
15  #include <ESP8266WiFi.h>
16  #include <ESP8266HTTPClient.h>
17
18  const char* ssid = "ARRIS-5AC2";
19  const char* password = "3C7A74DE77A4A73A";
20
21  // Configuration of sensors
22
23  #include "Wire.h"
24  #include <BME280I2C.h>
25
26  //https://github.com/finitespace/BME280/
27  //by Tyler Glenn
28  BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

En la línea 18 podemos ver el nombre de la red a la que se conectará el dispositivo y en la 19 la contraseña. Si los datos **no** son los correctos, podemos editar directamente las líneas

Downloading index: package_esp8266com_index.json

Ln. 18, col. 1 UTF-8 LOLIN(WEMOS) D1 mini Pro [no conectado]

LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_IMADES-1.ino

```
1  /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/cbg3tdPrkEpkv4Mg9I0t/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is cbg3tdPrkEpkv4Mg9I0t
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "ARRIS-5AC2";
19 const char* password = "3C7A74DE77A4A73A";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

En este ejemplo vamos a cambiar el nombre de la red por "ARRIS-correcto" escribiendo directamente en la línea

LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_IMADES-1.ino

```
1  /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/cbg3tdPrkEpkv4Mg9I0t/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is cbg3tdPrkEpkv4Mg9I0t
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "ARRIS-Correcto";
19 const char* password = "3C7A74DE77A4A73A";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Ln. 18, col. 35 UTF-8 LOLIN(WEMOS) D1 mini Pro [no conectado]

LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_IMADES-1.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/cbg3tdPrkEpkv4Mg9I0t/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is cbg3tdPrkEpkv4Mg9I0t
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "ARRIS-Correcto";
19 const char* password = "3C7A74DE77A4A73A";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Con la contraseña vamos a hacer lo mismo, podemos dar doble clic en la contraseña incorrecta, eliminarlo y escribir la correcta.

En este ejemplo: "1234567890"

LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_IMADES-1.ino

```
1  /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/cbg3tdPrkEpkv4Mg9I0t/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is cbg3tdPrkEpkv4Mg9I0t
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "ARRTS-Correcto";
19 const char* password = "123456789";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Building sketch

Ln. 19, col. 25 UTF-8 LOLIN(WEMOS) D1 mini Pro [no conectado]

LOLIN(WEMOS) D1 mini Pro

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_IMADES-1.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/cbg3tdPrkEpkv4Mg9I0t/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is cbg3tdPrkEpkv4Mg9I0t
6  *
7  * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8  *
9  * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
17
18 const char* ssid = "ARRTS-Correcto";
19 const char* password = "1234567890";
20
21 // Configuration of sensors
22
23 #include "Wire.h"
24 #include <BME280I2C.h>
25
26 //https://github.com/finitespace/BME280/
27 //by Tyler Glenn
28 BME280I2C bme; // Default : forced mode, standby time = 1000 ms
```

Building sketch

Ln. 19, col. 35 UTF-8 LOLIN(WEMOS) D1 mini Pro [no conectado]

7. Cargar el archivo

Dar clic en
Cargar

```
1
2
3
4
5 * the server address is www.meteomex.com:8080 and the access token is 5up17oxqF6jqjiSg0Yzs
6 *
7 * Copyright (C) 2020 Robert Winkler <robert.winkler.mail@gmail.com>
8 *
9 * This software may be modified and distributed under the terms
10 * of the MIT license.
11 */
12
13 // Configure network
14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida

Compiling sketch...



LOLIN(WEMOS) D1 min... ▾



MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino



```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/5up17oxqF6jqjiSg0Yzs/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is 5up17oxqF6jqjiSg0Yzs
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16 #include <ESP8266HTTPClient.h>
```

Salida



Ver el progreso inicial →

Compiling sketch...

Lín. 19, col. 33 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21 1



LOLIN(WEMOS) D1 min...

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
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4  * e.g. http://www.meteomex.com:8080/api/v1/5up17oxqF6jqjiSg0Yzs/telemetry
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16 #include <ESP8266HTTPClient.h>
```

Salida

```
Configuring flash size...
Auto-detected Flash size: 16MB
Compressed 296048 bytes to 215832...
Writing at 0x00000000... (7 %)
Writing at 0x00004000... (14 %)
Writing at 0x00008000... (21 %)
Writing at 0x0000c000... (28 %)
Writing at 0x00010000... (35 %)
Writing at 0x00014000... (42 %)
Writing at 0x00018000... (50 %)
```

← Ver que se cargue

Uploading...

Lín. 19, col. 33 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21 2

LOLIN(WEMOS) D1 min...

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/5up17oxqF6jqjiSg0Yzs/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is 5up17oxqF6jqjiSg0Yzs
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15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida

```
Writing at 0x00024000... (71 %)
Writing at 0x00028000... (78 %)
Writing at 0x0002c000... (85 %)
Writing at 0x00030000... (92 %)
Writing at 0x00034000... (100 %)
Wrote 296048 bytes (215832 compressed) at 0x00000000 in 5.1 seconds (effective 460.9 kbit/s)...
Hash of data verified.
```

```
Leaving...
Hard resetting via RTS pin...
```

← Cuando aparece este mensaje, ya está configurado nuestro dispositivo

Ahora debemos:

1. Desconectar la placa de nuestra computadora
2. Cerrar Arduino
3. Volver a abrir Arduino
4. Seguir con estas instrucciones

LOLIN(WEMOS) D1 mini Pro

Monitor Serie



MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/5up17oxqF6jqjiSg0Yzs/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is 5up17oxqF6jqjiSg0Yzs
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16 #include <ESP8266HTTPClient.h>
```

Dar clic en
Monitor Serie

Salida



Lín. 19, col. 33 UTF-8 LOLIN(WEMOS) D1 mini Pro [no conectado]



LOLIN(WEMOS) D1 mini Pro

Monitor Serie

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/5up17oxqF6jqjiSg0Yzs/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is 5up17oxqF6jqjiSg0Yzs
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12
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14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida Monitor Serie x

No conectado. Selecciona una placa y un puerto para conectarte automáticamente.

Ambos NL & CR

Lín. 19, col. 33 UTF-8 LOLIN(WEMOS) D1 mini Pro [no conectado]

Conectar la placa a nuestra computadora



LOLIN(WEMOS) D1 min...

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-11.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/5up17oxqF6jqjiSg0Yzs/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is 5up17oxqF6jqjiSg0Yzs
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12
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14
15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida Monitor Serie x

Mensaje (Ctrl + Enter para enviar el mensaje a 'LOLIN(WEMOS) D1 mini Pro' en 'COM21')

Ambos NL & CR ▾

115200 baud ▾

15:28:48.524 -> Connecting..

Esta conectandose a internet

Lín. 19, col. 33 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

LOLIN(WEMOS) D1 min...

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```

1  /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/Kwu00m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is Kwu00m3krZGq20A5PJnw
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16 #include <ESP8266HTTPClient.h>

```

Salida Monitor Serie x

Mensaje (Ctrl + Enter para enviar el mensaje a 'LOLIN(WEMOS) D1 mini Pro' en 'COM21')

Ambos NL & CR

115200 baud

```

15:35:07.092 -> r10100|000|0010b|00000r0b0b00nn0lnn000b0p0000rlr0n00001000bn|0000b00nn01001'000nn0010nr0000nrr00p0n00r0000000
15:35:07.162 -> Starting up...
15:35:07.208 -> Found BME280 sensor! Success.
15:35:08.238 -> Connecting..
15:35:09.245 -> Connecting..
15:35:10.957 -> Connecting..
15:35:11.977 -> Connecting..
15:35:11.977 -> 192.168.0.102

```

Sigue conectándose

Lín. 5, col. 12 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

LOLIN(WEMOS) D1 min...

MeteoMex_USB_ThingsBoard_aeria_VOCs_BF_ENES-TEST.ino

```
1 /*
2  * This program connects a MeteoMex aeria (http://www.meteomex.com) by WiFi and sends data to a ThingsBoard server
3  * In the ThingsBoard strings you have to use the ThingsBoard server address and the access token of your device
4  * e.g. http://www.meteomex.com:8080/api/v1/KwuO0m3krZGq20A5PJnw/telemetry
5  * the server address is www.meteomex.com:8080 and the access token is KwuO0m3krZGq20A5PJnw
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15 #include <ESP8266WiFi.h>
16 #include <ESP8266HTTPClient.h>
```

Salida Monitor Serie x

Mensaje (Ctrl + Enter para enviar el mensaje a 'LOLIN(WEMOS) D1 mini Pro' en 'COM21')

Ambos NL & CR

115200 baud

```
15:35:08.238 -> Connecting..
15:35:09.245 -> Connecting..
15:35:10.957 -> Connecting..
15:35:11.977 -> Connecting..
15:35:11.977 -> 192.168.0.102
15:35:11.977 -> Temp: 25.78 °C      Humidity: 42.23% RH      Pressure: 83024.43 Pa
15:35:12.943 -> eCO2: 400 ppm          tVOC:0 ppb
15:35:12.943 ->
```

Ya está enviando datos

Lín. 5, col. 12 UTF-8 LOLIN(WEMOS) D1 mini Pro on 1COM21

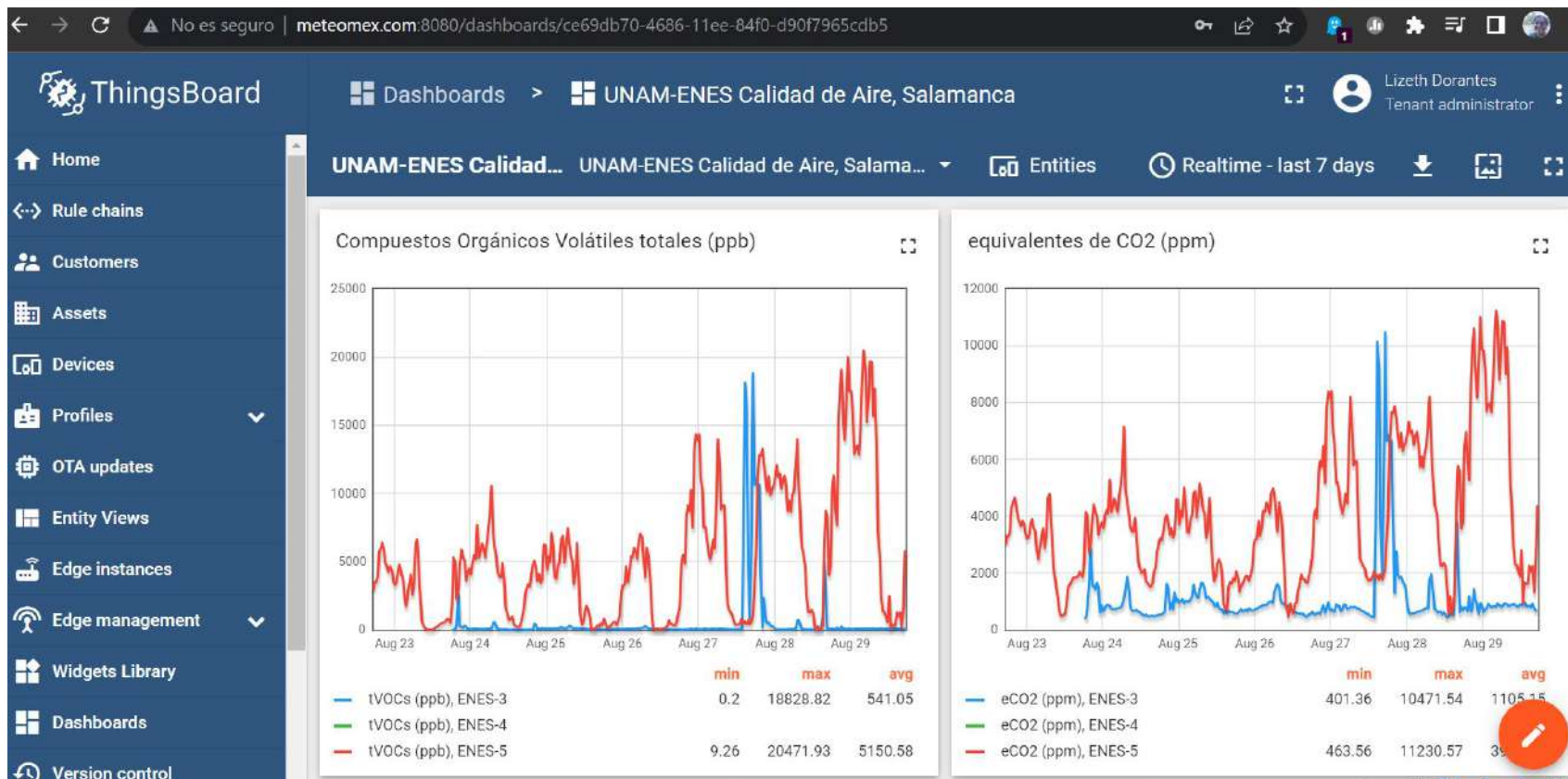
21°C
Nublado

Búsqueda

ESP
LAA03:35 p. m.
21/11/2022

67

Una vez que envíe datos, ya podrán visualizarse desde la plataforma de ThingsBoard, en el enlace:
<http://www.meteomex.com:8080/dashboard/ce69db70-4686-11ee-84f0-d90f7965cdb5?publicId=e96f3c70-2f4d-11ea-a96e-c3dba8703f6d>



¡Felicidades!

De este modo tu dispositivo queda listo. Recuerda mantenerlo conectado a la electricidad y a la red WIFI para que puedas monitorear tus datos desde la plataforma ThingsBoard.

