# Lectura puerto USB por MakeCode o Coolterm

Podemos enviar datos por el puerto USB y visualizarlos en el ordenador

> **Hemos elegido el sensor de luz, pero PUEDE SER CUALQUIER SENSOR**

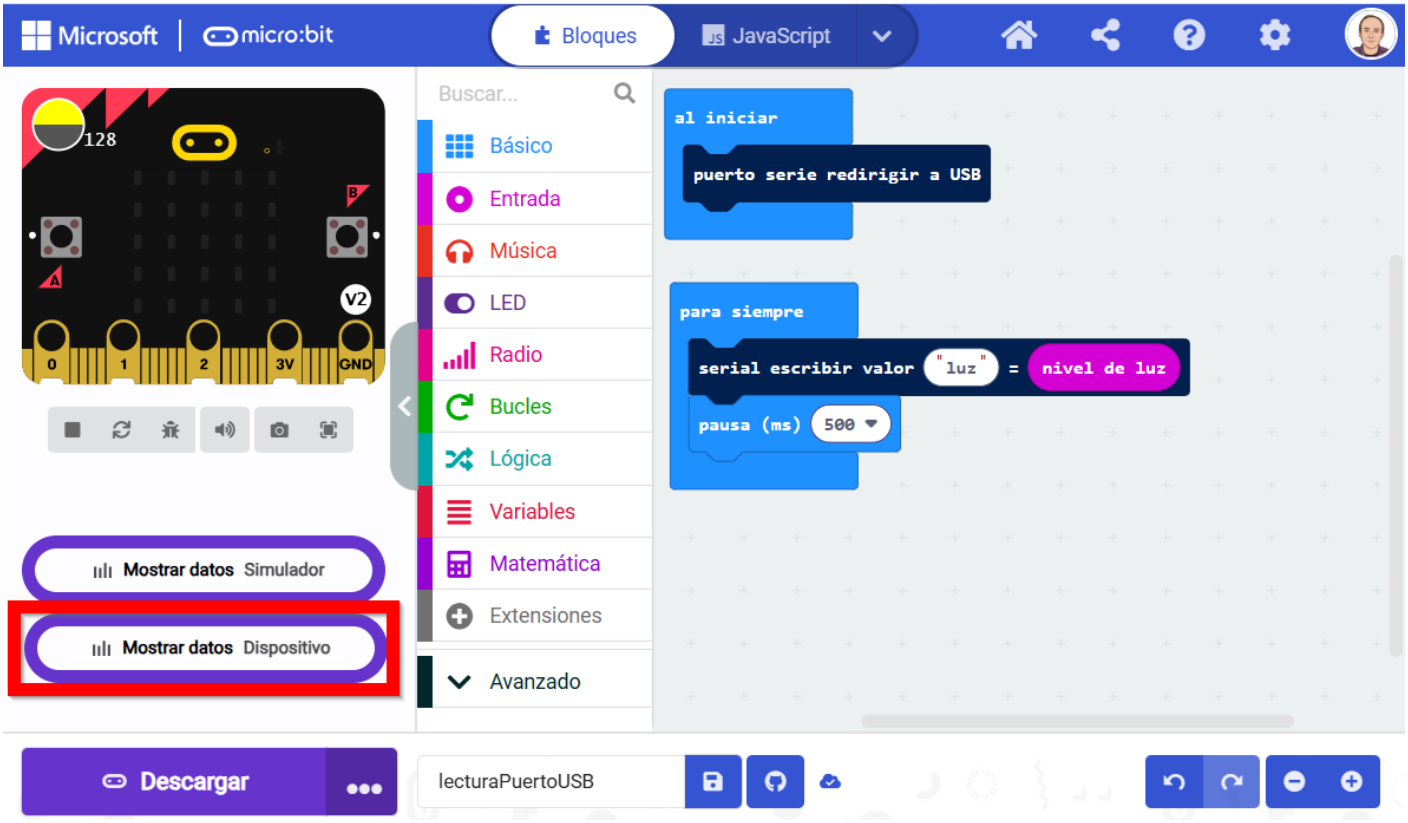
https://makecode.microbit.org/S14202-21125-85484-72930

https://makecode.microbit.org/#pub:S14202-21125-85484-72930

## METODO VISUALIZACIÓN EN EL MISMO MAKECODE

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Debajo del simulador podemos ver una evolución de los datos que lee




y el resultado es muy visual

https://www.youtube.com/embed/sh79ImiP0Gw

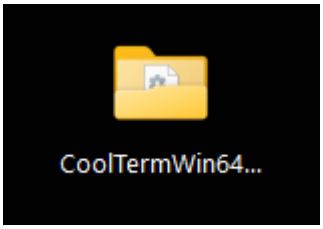
## METODO COOLTERM

Este método es utilizando un programa que lo podemos descargar en esta página

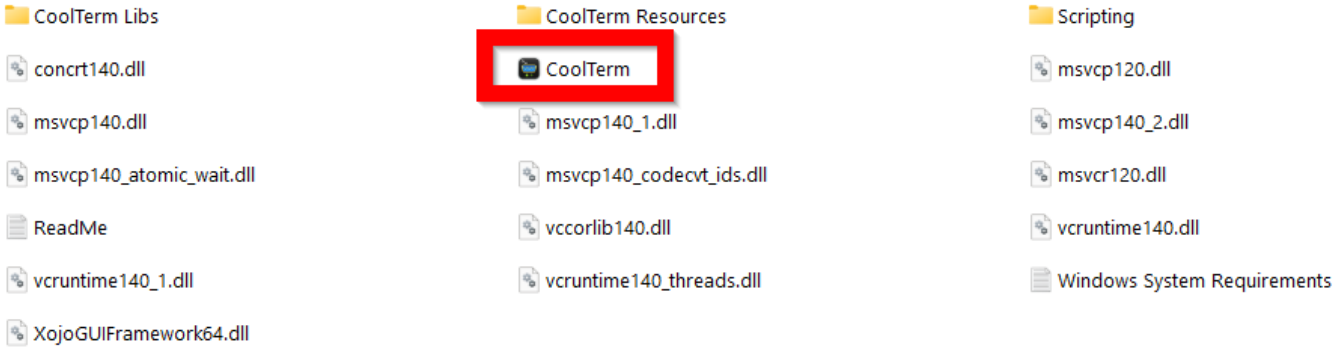
https://freeware.the-meiers.org/

| Application | Version | Description |
|---|---|---|
| **CoolTerm**<br><br>macOS:<br>Intel/ARM<br><br>Win:<br>Intel 64Bit<br>Intel 32Bit<br>ARM 64Bit<br><br>Linux:<br>Intel 64Bit<br>Intel 32Bit<br><br>Linux ARM:<br>Raspberry Pi<br>Raspberry Pi 64Bit | 2.4.0<br>05/19/2025 | CoolTerm is a simple serial port terminal application (no terminal emulation) that is geared towards hobbyists and professionals with a need to exchange data with hardware connected to serial ports such as servo controllers, robotic kits, GPS receivers, microcontrollers, etc.<br>Written in Xojo.<br><br>**LINUX and Raspberry Pi:**<br>The LINUX and Raspberry Pi versions are not "officially" (meaning: "not well") supported. While almost everything is expected to work as expected, only minimal testing using virtual machines has been performed to confirm that all the features work properly. The LINUX and Raspberry Pi builds have been posted here as a courtesy to the users that asked for it. Please use these builds at your own risk. Please use the forums to share your experiences with other users.<br><br>**Legacy Builds:**<br>• **macOS 32-Bit:** Version v1.7.0 is the last 32-bit build for macOS.<br>• **OS X Universal Binary (PPC/Intel):** Version v1.4.7 is the last version of CoolTerm available as a universal binary supporting OS X 10.6 or older<br>• **Windows XP:** Version v1.4.4 is the last build that supports Windows XP.<br>**Windows 7,8:** Version v2.0.1 is the last build that supports Windows 7 (with SP1) and Windows 8. It can be downloaded here: 64-Bit, 32-Bit.<br><br>**Older Versions:**<br>Older versions of CoolTerm can be found here. |

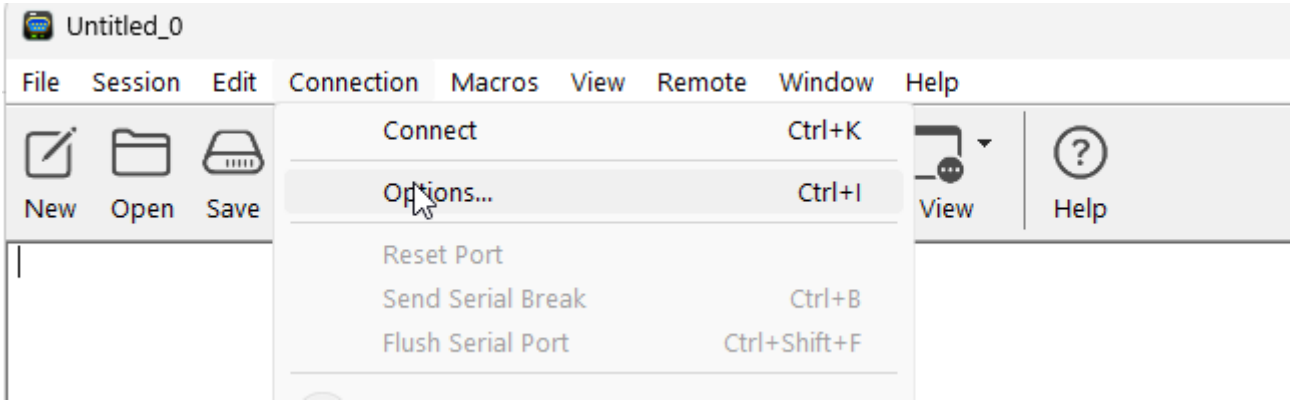
Es un programa libre, y portable, es decir es una carpeta con un ejecutable y programas accesorios



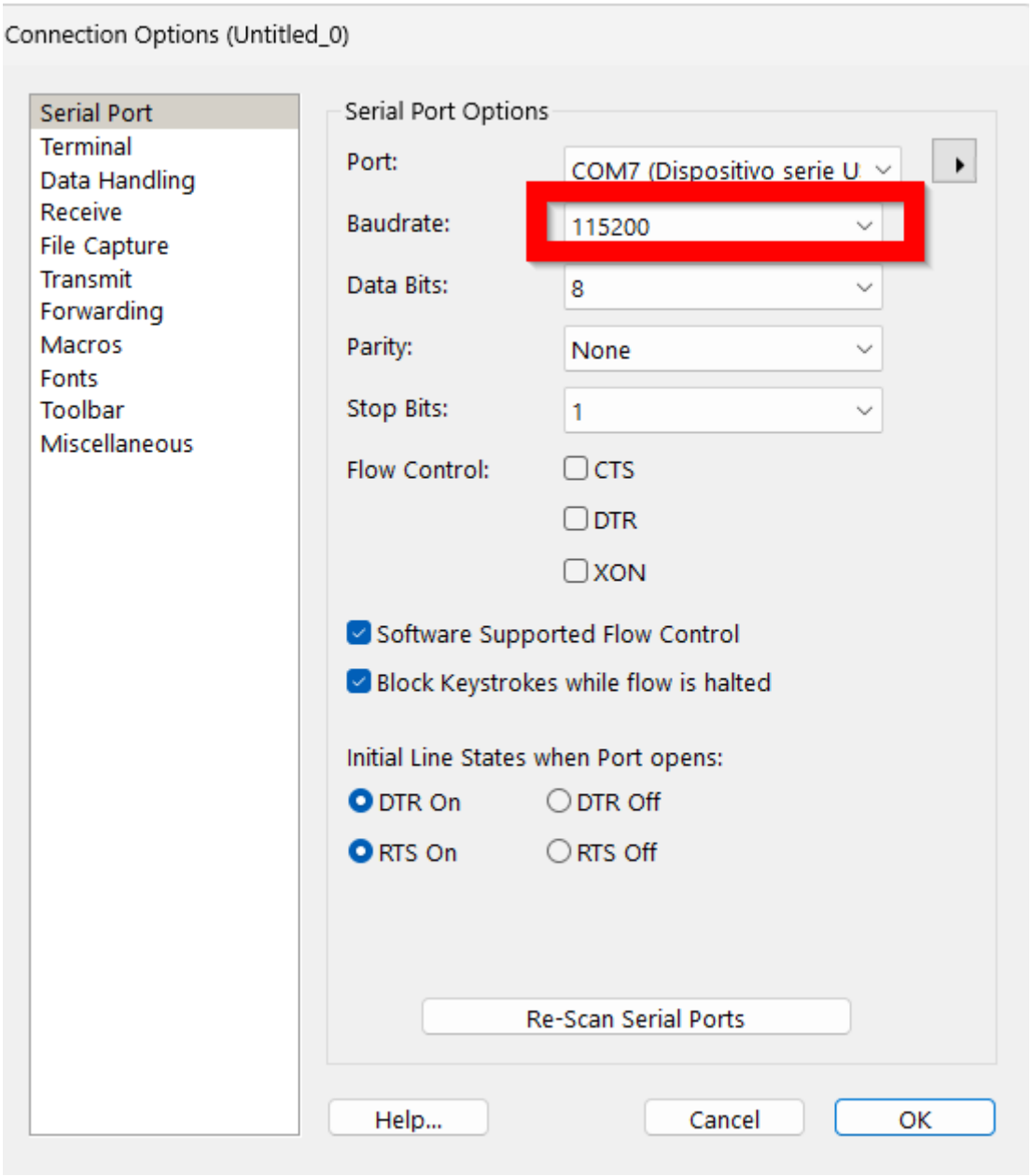

lo ejecutamos




En Connection - Options

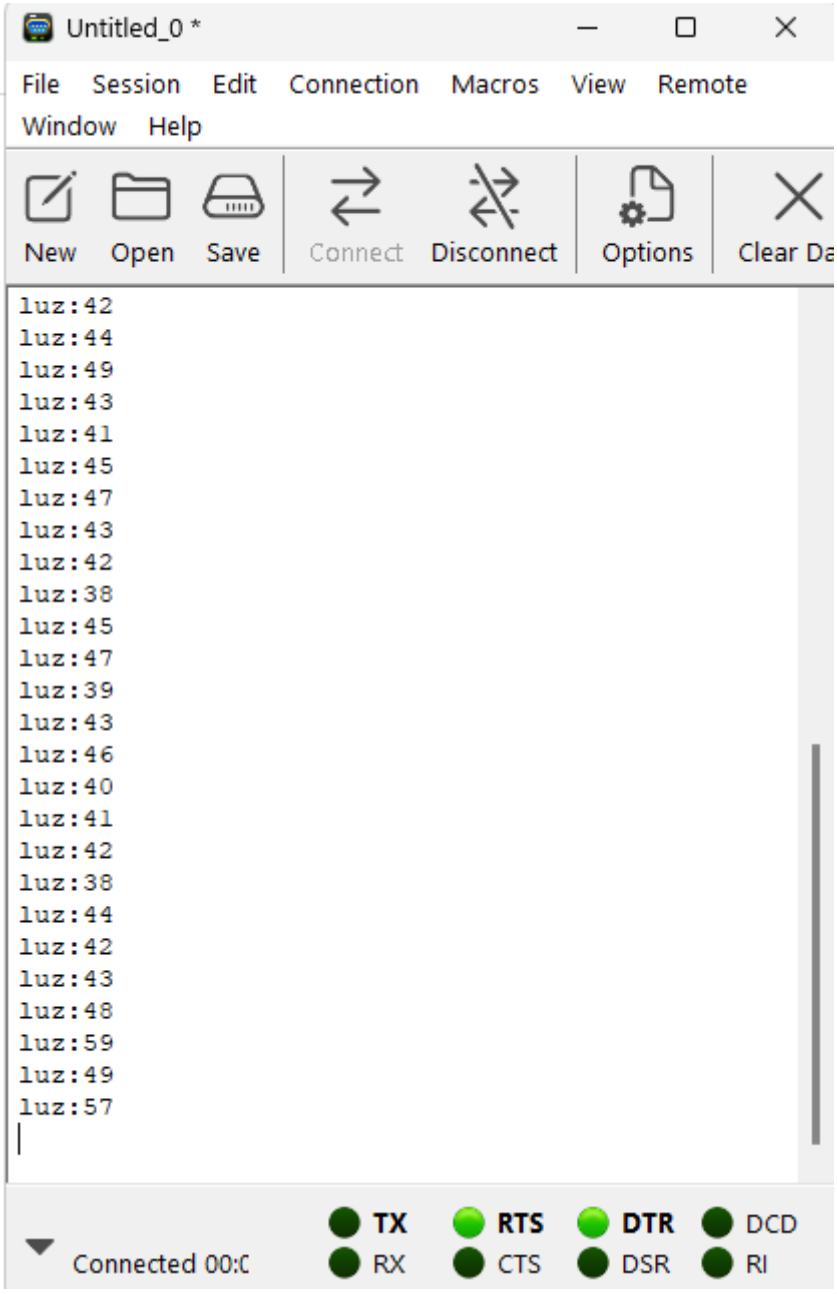



Subimos la velocidad a 115.200 baudios




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Al darle a **conectar** se ven los datos numéricamente




> LA VENTAJA DE COOLTERM ES QUE LEE CUALQUIER DISPOSITIVO (MICRO:BIT, ARDUINO, ECHIDNA....)

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Revision #4
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