	Description:		Item:
MEDIR PARA MELHORAR!	**FlowTEX I2C communication addressing**		**-**
	Prepared by:	Reviewed by:	Version:
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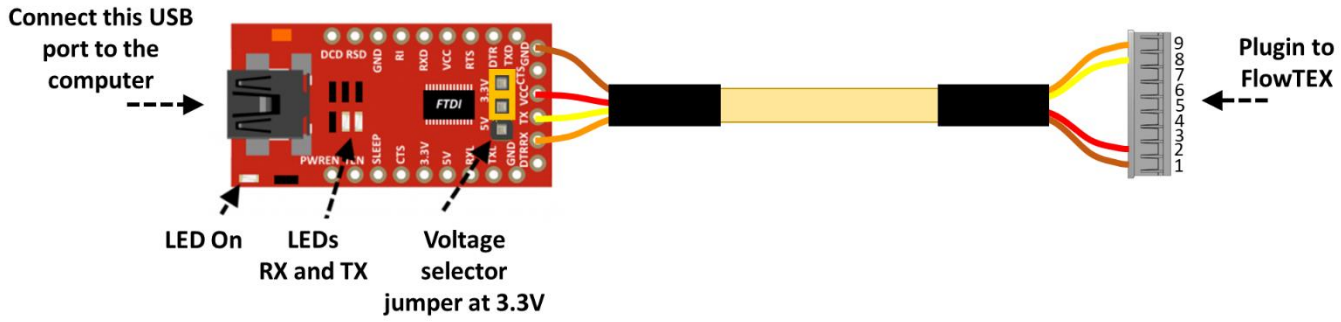
1. Objective:

In an I2C network, it is necessary that each interconnected device has a unique address. To address a FlowTEX sensor, it must be connected to a computer, and through the FlowTEX APP, an address can be assigned to it. This document shows how to perform this process.

2. Connection between FlowTEX and a computer:

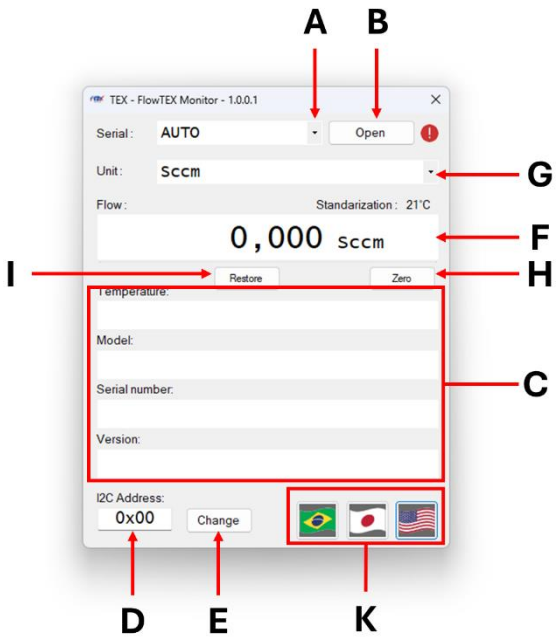
It is done through the *FlowTEX TTL 10 cm Cable Module with USB Converter*.



3. Using the FlowTEX Monitor APP

Download the software from this link on GitHub: https://github.com/eng-software/FlowTEX_CS. This link contains the source code and an executable file of the program.

After making the electrical connection between FlowTEX and the computer, run the *FlowTEXMonitor.exe*.exe file. The following screen will be displayed.



Select the port where the sensor is connected in **A**. Then, click the *Open* button in **B**. Notice that the FlowTEX information is loaded in **C** – it is only possible to view it.

After this, enter the desired address in field **D** and click the *Change* button in **E** to modify the sensor's I2C address – values between 00 and 7F (7-bit addressing) can be entered.

The **F** field displays the real-time sensor reading, and the **G** field contains a list to change the unit of the displayed value. If you need to set the sensor's zero point, click **Zero (H)**, and if you want to undo the last zero setting, click **Restore (I)**. To change the interface language to Portuguese, Japanese, or English, select one of the three flags in **K**.