



# Current Sensor 2 Go

## – Quick Instruction Guide

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### Scope:

The following instruction gives a quick overview about the Current Sensor 2 Go GUI. The GUI can also be used for the PGSISI-2 based TLI4970050 PROG-KIT.

### SW Installation:

Start the *Infineon-V2.0 GUI for Current Sensor 2GO-FW-V2.0-EN* Windows Installer Package (make sure you have at least local admin rights).

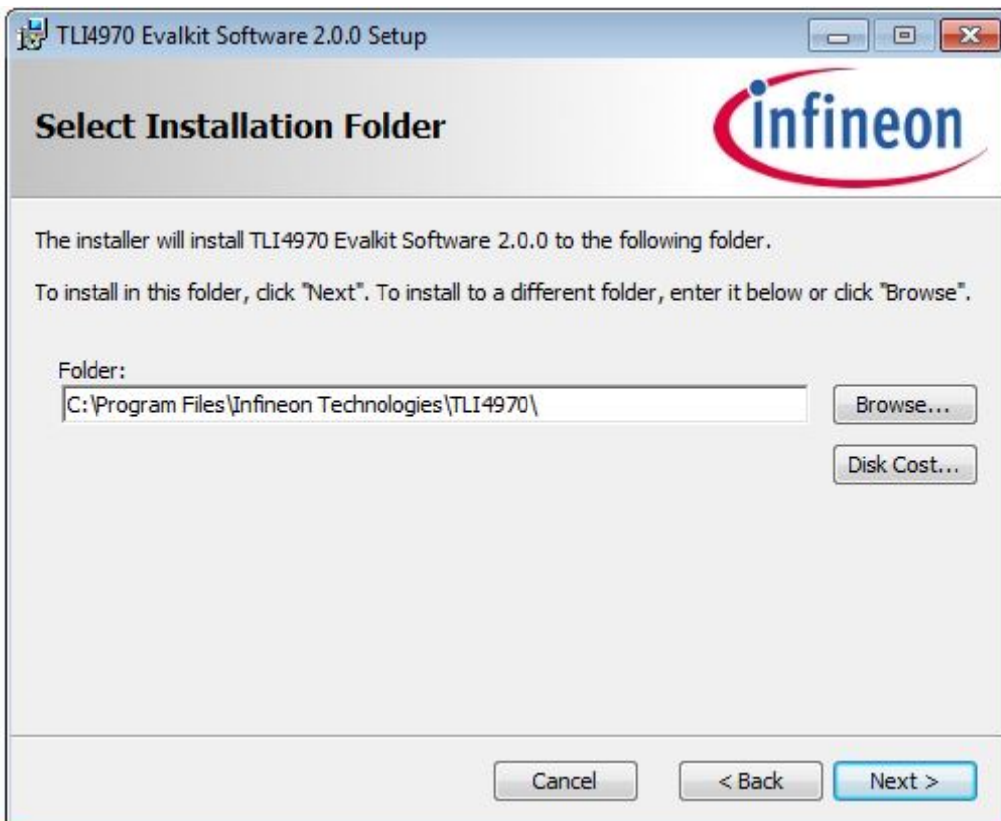




To start the installation process, you have to accept the license agreement:



The installation folder dialog is used to allow the user to choose the folder where application files will be installed:

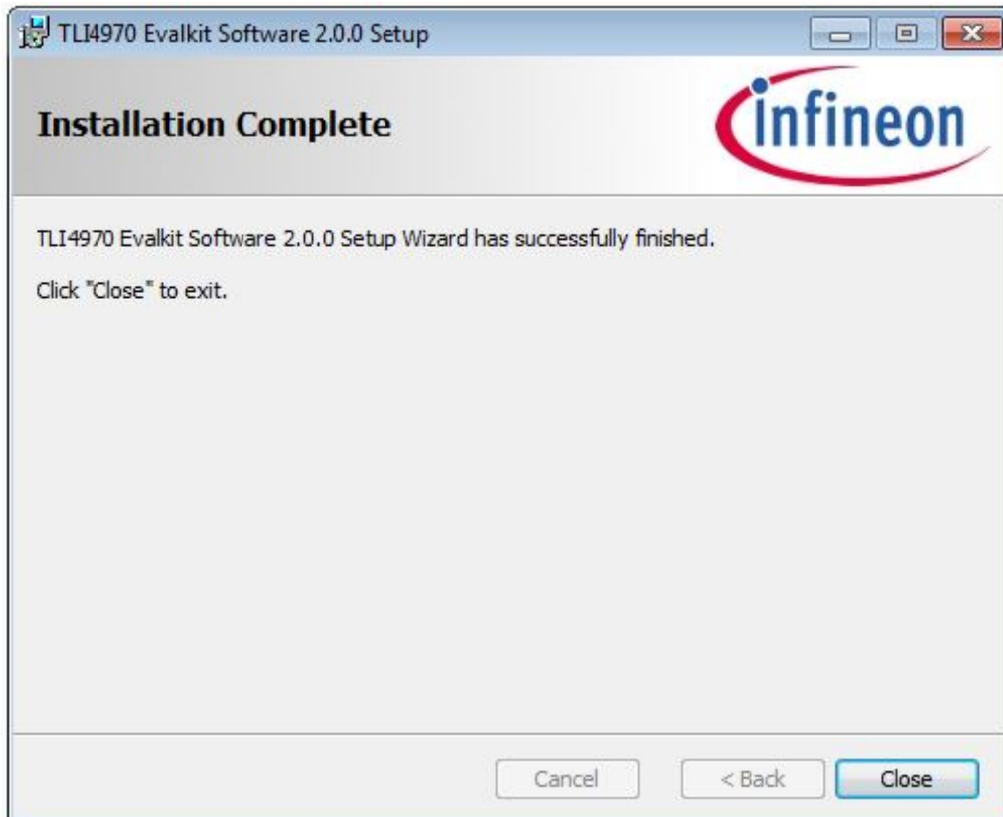




Confirm the installation process:



Following dialog box will be shown after successfully installation of the Current Sensor 2 Go GUI:

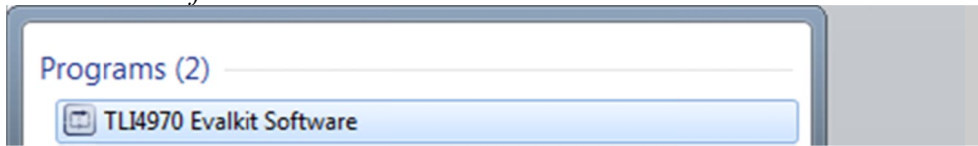


In case the SEGGER / J-Link software package has not been installed before, please follow the SEGGER installer:

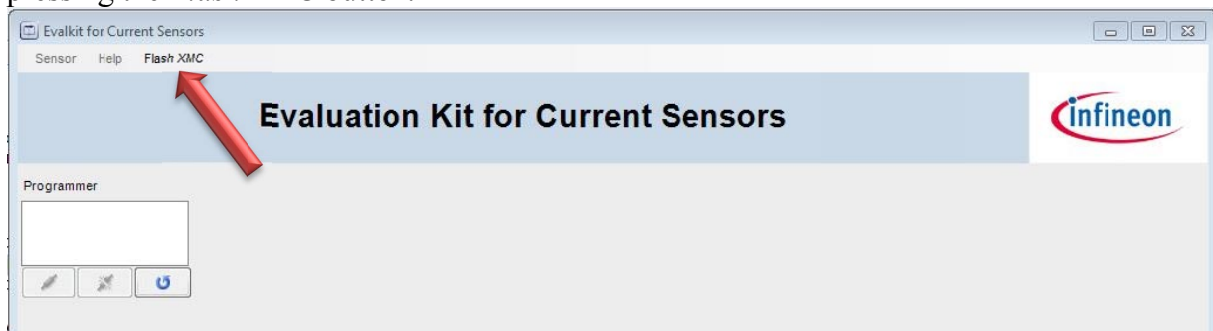


## Use of the Current Sensor 2 Go GUI


After successfully installation of the SW, you will find the *TLI4970 Evalkit Software Program* in the *Microsoft Start Menu*.

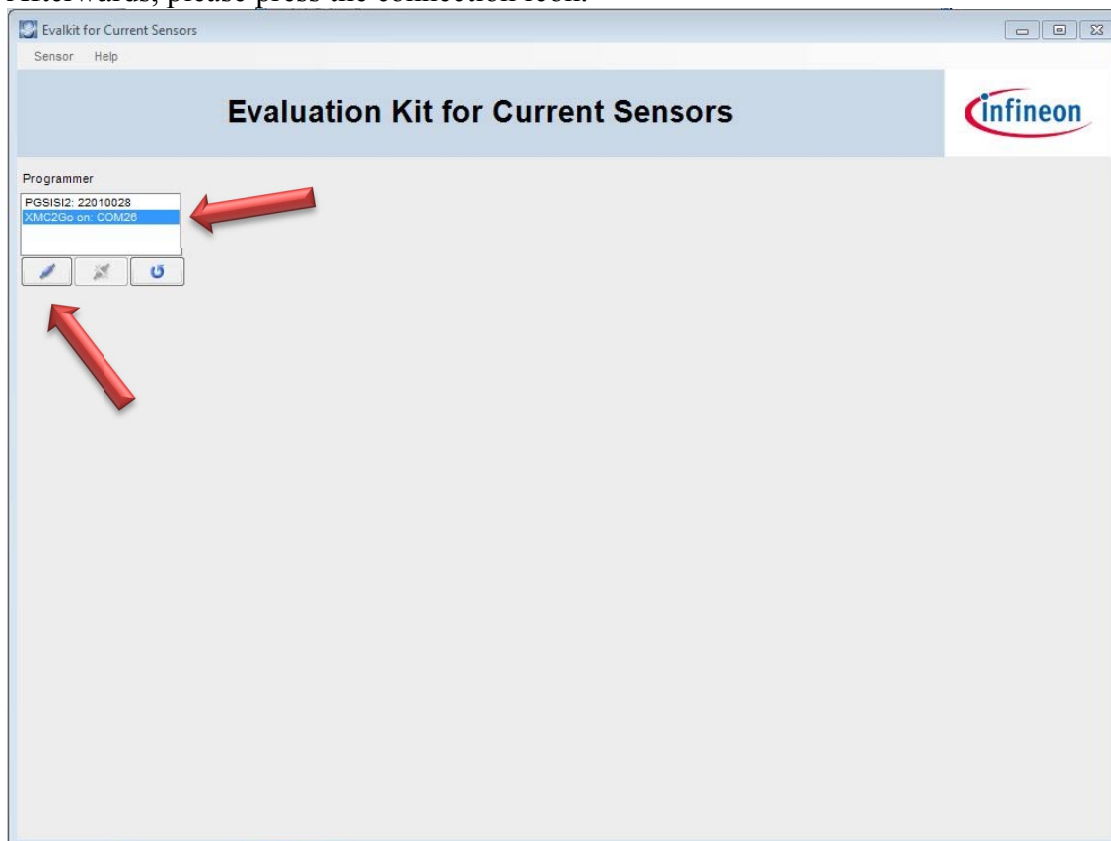


After connecting the Current Sensor 2 Go Kit with your PC (please uses a USB connection cable; not included in the kit) and starting the SW, you first might have to flash the  $\mu$ C by pressing the *Flash XMC* button:



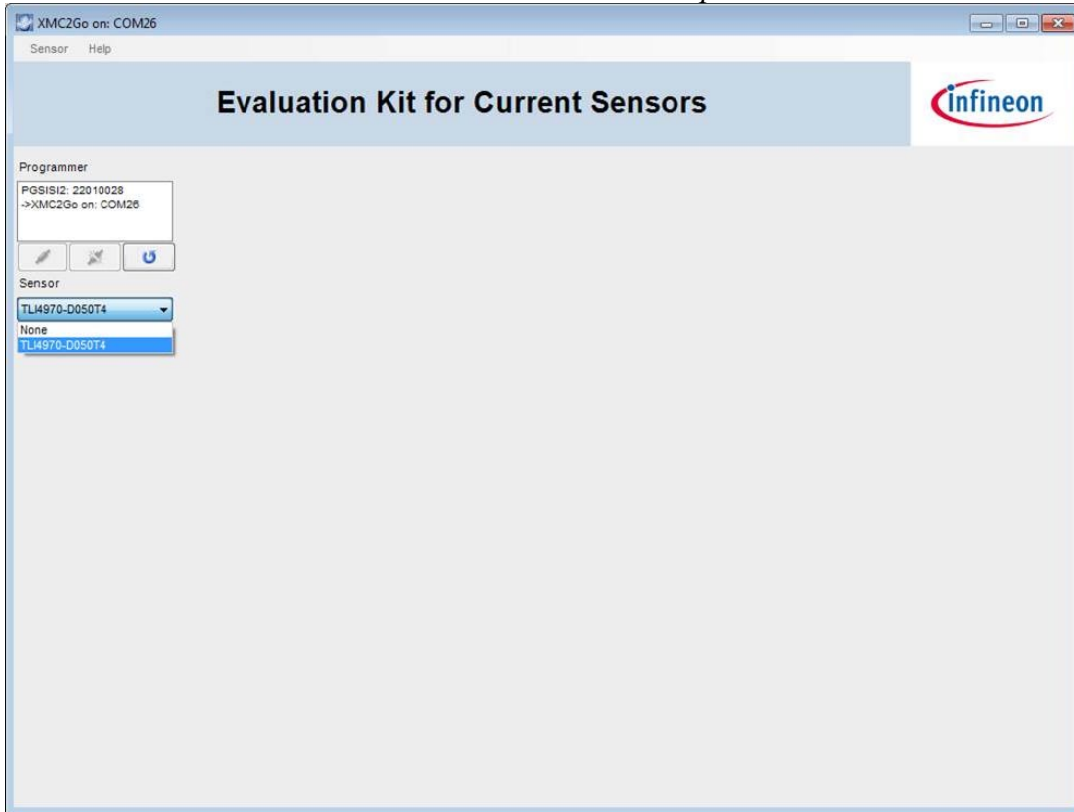
*Note: If the correct firmware version is flashed, the Flash XMC button is not visible.*

Please select the connected kit (in case no kit is listed, use the refresh button ). Afterwards, please press the connection icon.

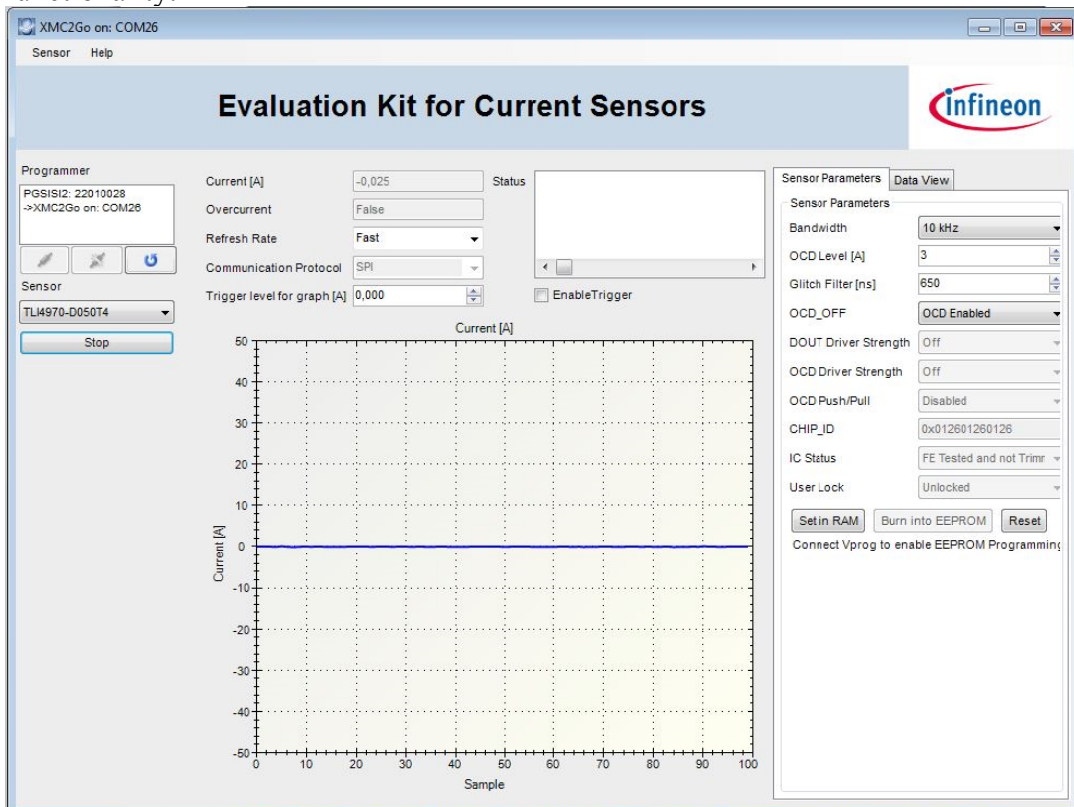


*Note: The use of the TLI4970050 PROG-KIT together with this GUI version is also possible!*

Now the sensor has to be selected from the *Sensor drop-down menu*:



By pressing the start button, the GUI will show the current value as a kind of oscilloscope functionality:



## SENSOR Menu

Inside the *Sensor Menu*, you will find three submenus

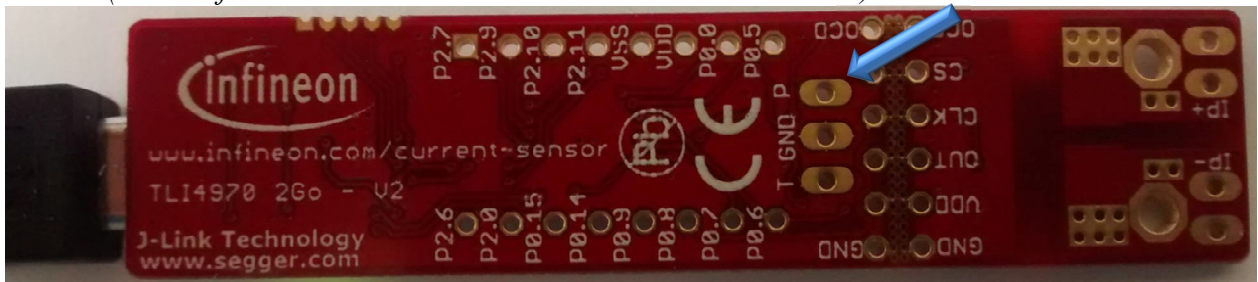
- EEPROM Register
- Interfaces
- Set EEPROM Timing

## EEPROM Register

The *EEPROM Register* menu item shows the content of the current sensor EEPROM content. Also this functionality can be used for EEPROM programming (e.g. modification of the over current level):

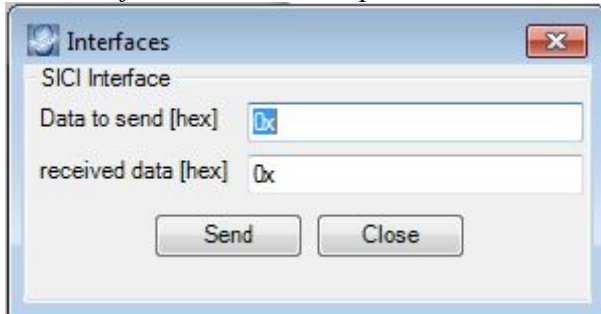
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1
0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1
0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1
0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1
0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1
0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1

*Note: To program the EEPROM, you have to provide a 20.6V voltage supply to the “P” contact (GND reference has to be connected with the GND contact):*



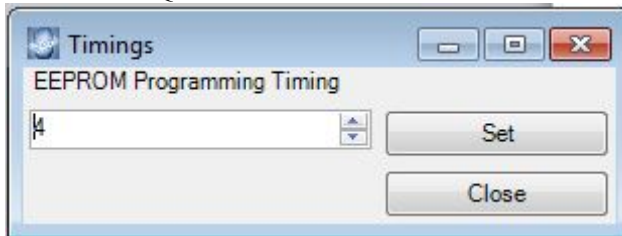
## Interfaces

The *Interfaces* menu item opens a window for a single command based SICI communication:



## Set EEPROM Timing

The *Set EEPROM Timing* menu item gives the possibility to influence the time of the internal programming pulse. For further information please reference to the “How to Program TLI4970 – Quick Instruction Guide”.







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