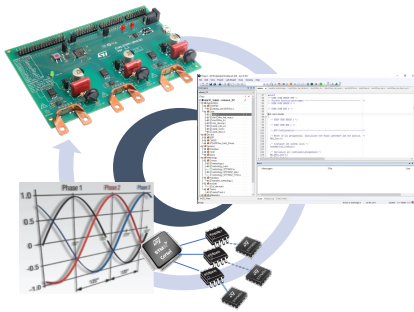


Graphical user interface for EVALSTPM-3PHISO board



Features

- Basic metrology application for a 3-phase meter, each with voltage and current monitoring
- Configuration set of metrology registers, containing metrology measurements and calibration/configuration data
- Active wideband, active fundamental, reactive and apparent power calculation for each phase and cumulative
- Active wideband, active fundamental, reactive and apparent energy calculation for each phase and cumulative
- RMS and THD (optional) calculation of each voltage and current signal
- Line period and phase shift measurement for each phase
- Phase voltage delays
- USB communication available through virtual COM port mode

Description

This intuitive graphical user interface (GUI) for the Windows® environment allows the user to configure and control the evaluation kit. It supports EVALSTPM-3PHISO.

The EVALSTPM-3PHISO evaluation board implements a complete 3-phase energy meter with low-cost shunt current sensors.

The EVALSTPM-3PHISO GUI allows to easily access the internal parameters to read metrology data, to modify the internal configuration for a high flexibility of the application, and to calibrate the board:

- A set of registers, containing metrology measurements and calibration/configuration data can be read and written for each phase
- Common registers to the 3 phases can be read and written.

Product status link

[STSW-STPM005](#)

[EVALSTPM-3PHISO](#)

[STPMS2](#)

[STISO621W](#)

[STM32F413RH](#)

1 Graphical user interface panels

Figure 1. Graphical user interface main panel

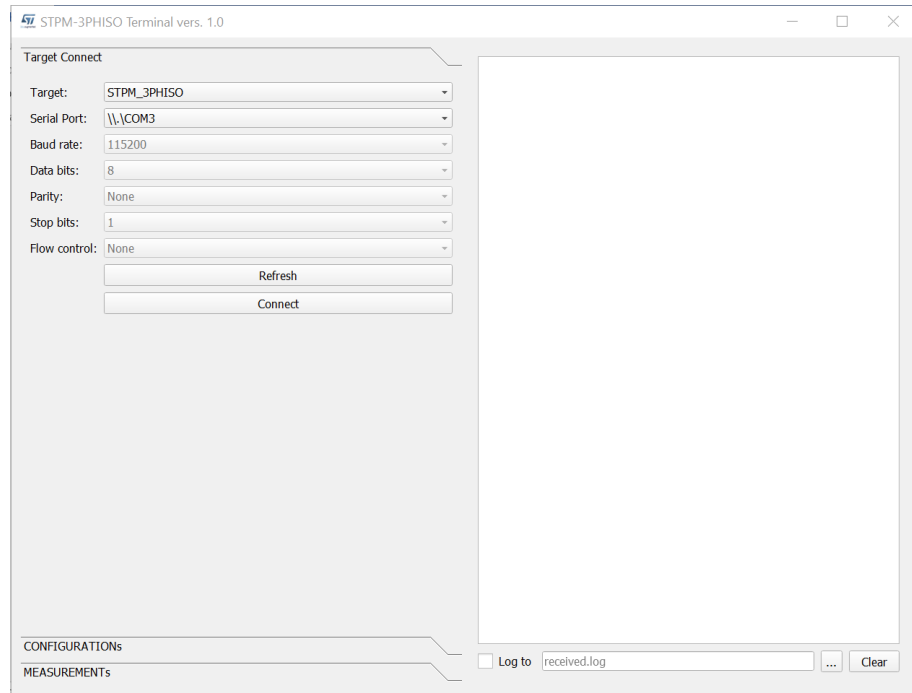


Figure 2. Configurations panel (a)

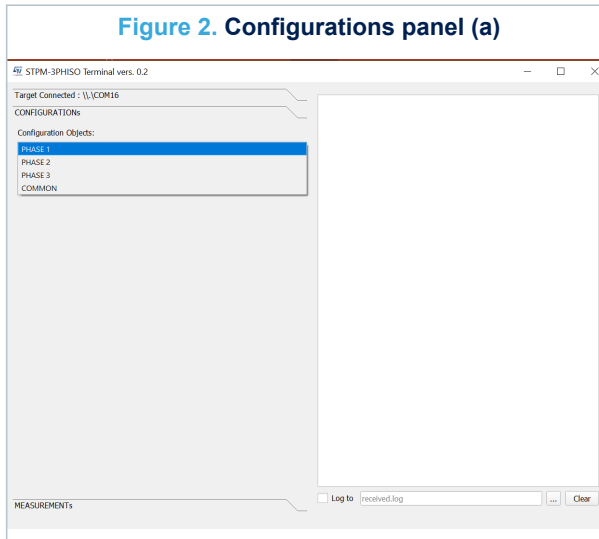


Figure 3. Configurations panel (b)

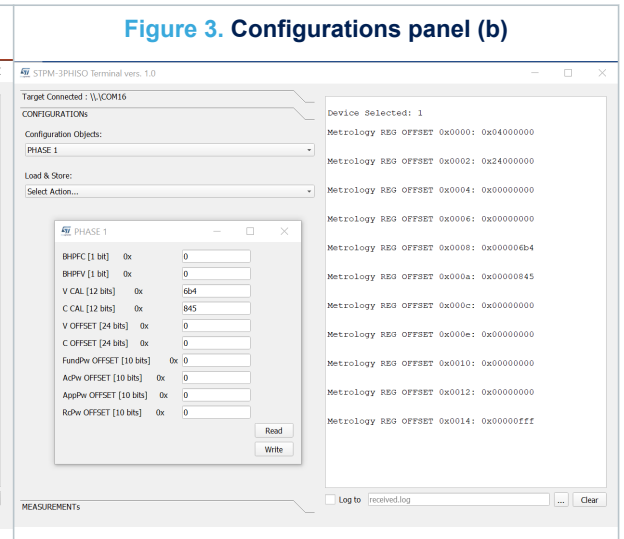
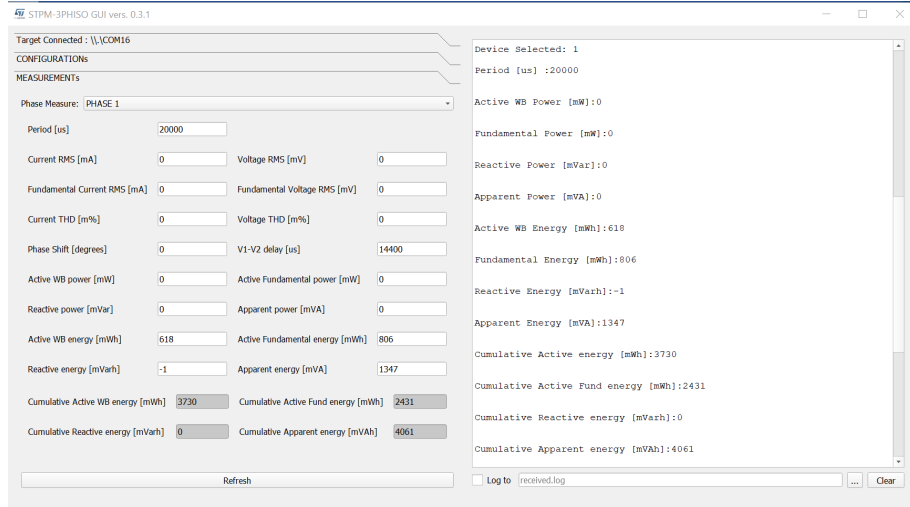


Figure 4. Measurement panel



Revision history

Table 1. Document revision history

Date	Version	Changes
12-Apr-2021	1	Initial release.

Contents

1	Graphical user interface panels	2
	Revision history	4
	Contents	5

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