



Description

The STSW-STPM3PHGUI evaluation software is a graphical user interface to access information calculated by EVAL-STPM3x-3PH FW.

Energy and power (for each phase and cumulative) voltage and current RMS are calculated by the STM8S903K3, using metrology data from the two STPM3x energy metering ICs on-board, and then displayed on the GUI.

The application has a unique work area where the user can read FW calculated data, or access directly each metrology device to read measured data or to read/write configuration registers.

The application parameters (such as sensor sensitivity, AFE parameters) can be configured to calculate the power, current and voltage.

The GUI allows also data read/saved to the EEPROM.

The connection to a PC uses a USB cable A/B, by which the board is also powered.

Features

- Read and configure STPM3x devices on-board
- Interface STM8S903K3 firmware
- Display current, voltage, energy and power for each phase and cumulative
- Display power factor and frequency for each phase
- Configure application front-end parameters for calculations
- Save/restore data on EEPROM
- PC connection through USB cable A/B
- English/Chinese languages available

Revision history

Table 1. Document revision history

Date	Revision	Changes
13-Feb-2018	1	Initial release.

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