

Functional description for Scope.exe Ver 1.2

MOS (PTY) LTD.

Microsystems On Silicon
Member of ELMOS Semiconductor AG

Function

The software displays graphically the measurement data received from the M2012A_SMD1 evaluation module via a RS232 port. The measurements can be logged by the program.

Requirements

Windows 98 or Windows XP
1 x serial port

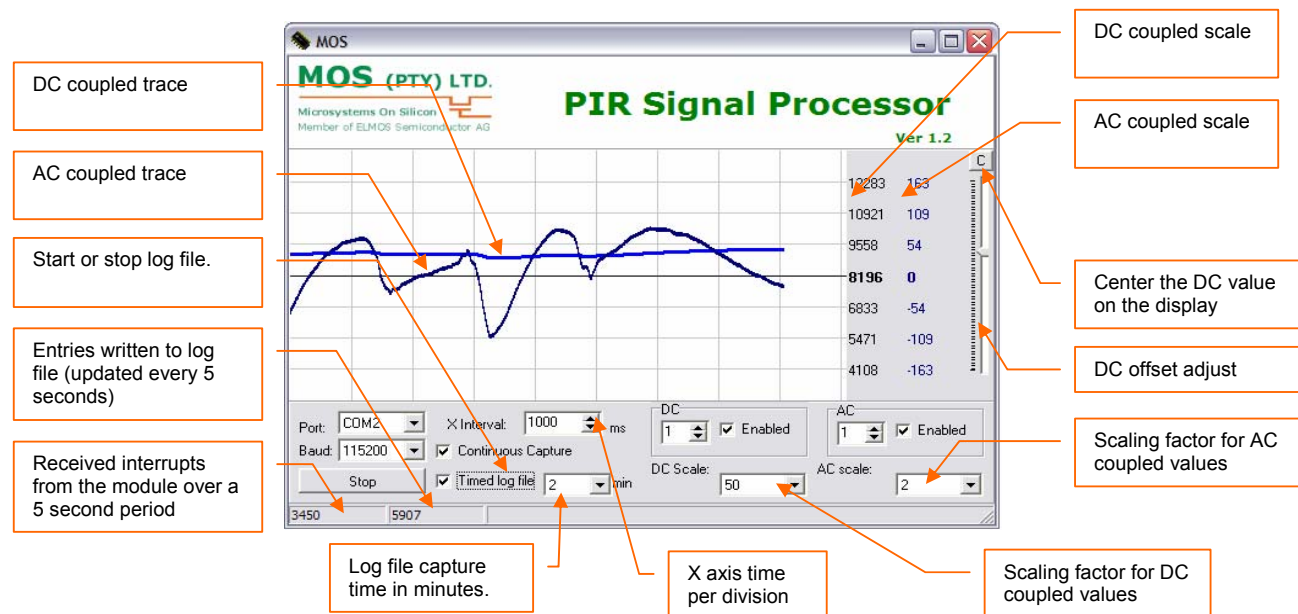
Usage

1. Install the scope.exe program in a convenient directory.
2. Connect the M2012A_SMD evaluation module with a serial cable to a free serial port on the PC.
3. Switch the M2012A_SMD evaluation module on. (Module must be supplied with an 8 to 15V DC supply.)
4. Run the scope.exe program.
5. Select the correct serial port in the program panel.
6. Two traces will appear on the scope display.

Graphical user interface

The scope displays two traces, a DC coupled trace (values directly from the module) and an AC coupled trace (values filtered with a second order high pass filter.)

Key points of the user interface are highlighted below:



Log files

On activation, measurements are logged in a comma separated text file. The file can be imported into Microsoft Excel.

The file format is as follows:

hh:mm:ss:AM/PM , sensor , value