Oscilloscope

Functions in “Oscilloscope.h” are for Etest and Deposition in software. There are two main types of measurement mode: continuous (*OSC\_C*) and discrete (*OSC\_N*, *OSC\_U*). N stand for “N-sample”.

*OSC\_C*

This function perform continuous measurement of specific ADC channel. Check stop is enabled. User can stop the process in software.

*OSC\_N*

This function perform N samples (4096 maximum) measurement of specific ADC channel. No check stop feature.

*OSC\_U*

This function reads one channel until specific change has happened with N samples mode. We use the first data we read as a reference. If the difference between a certain data and the reference value is greater than the limit specified by the user, the normal reading process will be interrupted. Then, according to the stopNum specified by the user, additional specified number of data will be read. And returns the total number of data points read.