

Menu entry Ampl & Period auto Peak

Measure absolute amplitude on waveform. Amplitude and period is determined automatically by SHM within a given time window. After calling this menu entry the next two phase clicks (left mouse button) are used for setting this time window, unless the entry Abort Selection is activated.

Select the time window by clicking on its left and right border with the left mouse button, like selecting phases. The algorithm finds minimum and maximum within the window which are not at the windows border. The part of the waveform found between minimum and maximum is marked in pink color. Half of the amplitude difference between these points is taken as plain amplitude, the double of the time difference is read as signal period.

From the plain amplitude the absolute amplitudes of ground velocity and ground displacement are estimated dividing by the transfer function of the current simulation filter applied at the measured period (see Work with simulation filters). Amplitude determination works currently only after application of simulation filters.

The results of the amplitude determination are written to the terminal window where SHM was called or may be viewed with menu entry Show Parameters.

back to [documentation index](#)