0.1 Inputs

Lab Assistant supports two types of devices for input; function generators and voltage generators. The function generator can also be used to generate a frequency sweep.

Function Generator

Uses function generator to output a signal. The *waveform* popup-menu sets the signal type to sine, square, triangle or sawtooth. If no waveform is selected the current waveform of the function generator is used. *Frequency*, *amplitude* and *offset* controlls the parameters of the output. In order to establish a connection to the function generator its GPIB-address must be put into the *GPIB-address* field.

Frequency Sweep

The function generator can also be used to generate a Bode plot of a connected system. When *frequency sweep* is selected as input, output is automatically set to *bode graph* and no other outputs can be chosen. Available settings for the sweep are *start frequency*, *end frequency*, *step length* and *amplitude*. GPIB-address must allso be filled in as described above.

Voltage Generator

The other device supported is the voltage generator. Apart from *GPIB-Address* of the voltage generator, the available settings are *voltage* and *current limit*. Output can be toggled with the *output on/off* push-button.