GAIN and TIME CONSTANT COMMANDS

SENS (?) {i}   The SENS command sets or queries the sensitivity. The parameter i selects a sensitivity below.

i	sensitivity	i	sensitivity
0	2 nV/fA	13	50 µV/pA
1	5 nV/fA	14	100 µV/pA
2	10 nV/fA	15	200 µV/pA
3	20 nV/fA	16	500 µV/pA
4	50 nV/fA	17	1 mV/nA
5	100 nV/fA	18	2 mV/nA
6	200 nV/fA	19	5 mV/nA
7	500 nV/fA	20	10 mV/nA
8	1 µV/pA	21	20 mV/nA
9	2 µV/pA	22	50 mV/nA
10	5 µV/pA	23	100 mV/nA
11	10 µV/pA	24	200 mV/nA
12	20 µV/pA	25	500 mV/nA
		26	1 V/µA

RMOD (?) {i}   The RMOD command sets or queries the reserve mode. The parameter i selects High Reserve (i=0), Normal (i=1) or Low Noise (minimum) (i=2). See the description of the [Reserve] key for the actual reserves for each sensitivity.

OFLT (?) {i}   The OFLT command sets or queries the time constant. The parameter i selects a time constant below.

i	time constant	i	time constant
0	10 µs	10	1 s
1	30 µs	11	3 s
2	100 µs	12	10 s
3	300 µs	13	30 s
4	1 ms	14	100 s
5	3 ms	15	300 s
6	10 ms	16	1 ks
7	30 ms	17	3 ks
8	100 ms	18	10 ks
9	300 ms	19	30 ks

Time constants greater than 30s may NOT be set if the harmonic x ref. frequency (detection frequency) exceeds 200 Hz. Time constants shorter than the minimum time constant (based upon the filter slope and dynamic reserve) will set the time constant to the minimum allowed time constant. See the Gain and TIme Constant operation section.

OFSL (?) {i}   The OFSL command sets or queries the low pass filter slope. The parameter i selects 6 dB/oct (i=0), 12 dB/oct (i=1), 18 dB/oct (i=2) or 24 dB/oct (i=3).