

Remote Programming

H	The SR830 does not sense the pre-amplifier. This command is emulated and always returns 0.
I {n}	Change the remote/local status. The SR830 Override Remote mode can override the I2 command. Use the OVRM command to change this.
J	Not implemented. Do not use.
K	Not implemented. Do not use.
L m {,n}	Change the line notch filter status.
M {n}	Change the reference mode to 2f. This command actually sets the harmonic detect number to n+1 in order to access harmonics higher than 2f.
N {m}	Change the noise bandwidth. This command has no effect on the time constants. If the S4 command is used to change the display to Xnoise,Ynoise, then the N m command changes the effective ENBW with which the output noise will be reported when queried using the Q1 or Q2 commands. The N command only affects the response to Q1 or Q2 and only if the S4 command is used first.
OX {n} {,v} OY {n} {,v} OR {n} {,v}	Change the X, Y or R offsets. Remember, v is an input voltage (not a percentage) for the SR530. Unlike the SR530, the X and Y offsets have no effect on R.
P {v}	Change the reference phase shift. The value of v is limited to $-360.0 \leq v \leq 729.99$. The phase shift is also defined differently for the SR830. Check the sense of phase rotation if your application is phase sensitive.
Q1 Q2 QX QY	Read the output values in Volts or degrees. When the current input is selected, the outputs are returned in Amps.
R {n}	Change the reference input mode.
S {n}	Change the Output displays. The SR830 only responds if n=0 (X,Y), n=2 (R,θ) or n=4 (Xnoise,Ynoise).
T m {,n}	Change the time constant. If m=1, then T1,n sets the time constant from 1 ms (n=1) to 30 ks (n=16). Time constants greater than 30 s are available only if the detection frequency is below 200 Hz. The time constant slope is not changed. The T1 query returns a maximum value of 11, even if the time constant is greater than 100 s.