

DISPLAY and OUTPUT COMMANDS

DDEF (?) i {, j, k}

The DDEF command selects the CH1 and CH2 displays. The parameter i selects CH1 (i=1) or CH2 (i=2) and is required. The DDEF i, j, k command sets display i to parameter j with ratio k as listed below.

CH1 (i=1)		CH2 (i=2)	
i	display	i	display
0	X	0	Y
1	R	1	θ
2	X Noise	2	Y Noise
3	Aux In 1	3	Aux In 3
4	Aux In 2	4	Aux In 4
ratio		ratio	
k	ratio	k	ratio
0	none	0	none
1	Aux In 1	1	Aux In 3
2	Aux In 2	2	Aux In 4

The DDEF? i command queries the display and ratio of display i. The returned string contains both j and k separated by a comma. For example, if the DDEF? 1 command returns "1,0" then the CH1 display is R with no ratio.

FPOP (?) i {, j}

The FPOP command sets or queries the front panel (CH1 and CH2) output sources. The parameter i selects CH1 (i=1) or CH2 (i=2) and is required. The FPOP i, j command sets output i to quantity j where j is listed below.

CH1 (i=1)		CH2 (i=2)	
i	output quantity	i	output quantity
0	CH 1 Display	0	CH 2 Display
1	X	1	Y

OEXP (?) i {, x, j}

The OEXP command sets or queries the output offsets and expands. The parameter i selects X (i=1), Y (i=2) or R (i=3) and is required. The parameter x is the offset in percent ($-105.00 \leq x \leq 105.00$). The parameter j selects no expand (j=0), expand by 10 (j=1) or 100 (j=2). The OEXP i, x, j command will set the offset and expand for quantity i. This command requires BOTH x and j. The OEXP? i command queries the offset and expand of quantity i. The returned string contains both the offset and expand separated by a comma. For example, if the OEXP? 2 command returns "50.00,1" then the Y offset is 50.00% and the Y expand is 10.

Setting an offset to zero turns the offset off. Querying an offset which is off will return 0% for the offset value.

AOFF i

The AOFF i command automatically offsets X (i=1), Y (i=2) or R (i=3) to zero. The parameter i is required. This command is equivalent to pressing the [Auto Offset] keys.