

Macro ID	0x104	0x105	0x204	0x503	0x504	0x515	0x525	0x604	0x624	0x803	0x805	0x807
Notes	Open swp	Resistor swp				0x525 replaces		0x624 replaces		0x805 replace:	803+cswp.	
Purpose	Calibration	Calibration	Swp, HF	Vsc, HF	Vsc, HF	N, HF, swp	N, HF, swp	N, HF, swps	N, HF, swp	LDL, N, HF	LDL,N,HF,Cswp	LDL, N, HF, swp
TM rate	NM	NM	BM	NM	BM	NM	NM	BM	NM	NM	NM	BM
Bias mode	NN	NN	NN	EE	EE	NN	NN	NN	NN	N-	N-	N-
Fix bias P1	.	.	0 V	-8 nA	-8 nA	+20 V	+30 V	+20 V	+30 V	+10 V	-30 V	+10 V
Fix bias P2	.	.	0 V	+3 nA	+3 nA	+20 V	-17 V	+20 V	-30 V	MIP	MIP	MIP
Gain/bias P1			hi	ibias	ibias	hi	hi	hi	hi	hi	hi	hi
Gain/bias P2			hi	ibias	ibias	hi	hi	hi	hi	hi	-	-
LF continuous data (ADC20)												
Sampled data	.	.	.	V1, V2	V1, V2	I1, I2	I1, I2	I1, I2	I1, I2	I1	I1	I1
Number of signals	0	0	0	2	2	2	2	2	2	1	1	1
Downsampling	.	.	1	64	1	128	128	2	1	32	64	1
fsamp [Hz]	.	.	57,8	0,90	57,80	0,45	0,45	28,90	57,80	1,81	0,90	57,80
Bits/sample transmitted				16	16	16	16	16	16	16	20	16
Samples/AQP/probe				28	1798	14	14	893	1798	55	28	1798
HF wave snapshots (ADC16)												
Sampled data	.	.	.	V1	V1, V2	I1, I2	I1, I2	I1, I2	I1, I2	I1	I1	I1
Number of signals	0	0	2	1	2	2	2	2	2	1	1	1
Downsampling			1	1	1	1	1	1	1	1	1	1
fsamp [Hz]			18750	18750	18750	18750	18750	18750	18750	18750	18750	18750
Samples			2048	272	432	96	96	1840	1600	160	160	4080
Cadency [AQPs]	1	1	2	5	1	5	5	3	5	3	5	2
Cadency [s]	32	32	64	160	32	160	160	96	160	96	160	64
Coarse sweeps (ADC16)												
Probes	Open 1&2	Res 1&2	P1, P2	.	.	P1, P2	P1, P2	P1, P2	P1, P2	.	P1	P1
Number of signals	2	2	2	0	0	2	2	2	2	0	1	1
Shape			V			/	/	\	/		/	\
Directions (1 or 2)	1	1	2			1	1	1	1		1	
Cadency [AQPs]	9	9	2	1	1	5	5	3	5	1	5	2
Cadency [s]	288	288	64	32	32	160	160	96	160	32	160	64
Range [V]	[-30, +30]	[-30, +30]	[-25,+25]			[-5, +31]	[-17, +31]	[-30, +20]	[-30, +30]		[-22, 30]	[-30, +30]
Step [V]	0,25	0,25	0,5			0,75	0,5	0,25	0,25		0,25	0,25
Number of steps	240	240	208			48	96	208	240		208	240
Plateau duration [cycles]	256	256	512			512	256	512	256		128	512
Plateau duration [ms]												27,31
Downsampling	128	128	64	1	1	256	256	256	256	1	128	128
Samples per plateau	2	2	8	0	0	2	1	2	1	0	1	4
Samples/sweep/probe	488	488	1678	6	6	104	103	424	247	6	215	970

Field colour:
Green: non-LDL science macros, Langmuir mode
Orange: LDL science macros
Yellow: maintenance, diagnostics, etc
Blue: non-LDL science macros, bias current mode

Text colour:
Black: NM
Red: BM