

Macro cmd	0x00	0x01	0x02	0x03	0x10	0x12	0x12	0x13	0x14	0x15	0x16	0x20	0x21	0x22	0x23	0x24	0x25	0x26	0x27	0x30	0x31	0x32	0x33	0x34	0x35	0x41	
Macro ID	0x100	0x101	0x102	0x103	0x200	0x202	0x212	0x203	0x204	0x205	0x206	0x300	0x301	0x302	0x303	0x304	0x305	0x306	0x307	0x400	0x401	0x402	0x403	0x404	0x405	0x501	
Notes	See data	See data	See data	See data	Use 0x703	Replaced	Use 0x505		Use 0x926	Use 0x703	Use 0x604	Use 0x503				Fine swp	Fine swp	Fine swp	Fine swp	Replaced	Replaced	Replaced	Replaced	EbEb	Use 0x604		
Purpose	Test	Test	Test	Test	LDL, HF	Swp, HF	Swp, HF	Swp, Vsc	Swp, HF	LDL, HF	NN	Vsc HF	Swp, Vsc	HF NE	Vsc HF					Vsc HF	Vsc HF	Vsc HF	Vsc HF	EE	NN HF	Swp	
TM rate					NM	NM	NM	NM	BM	NM	BM	NM	NM	BM	BM					NM	NM	NM	NM	NM	BM	NM	
Bias mode					NN	NN	NN	NE	NN	NN	NN	EE	EN	NE	EE					EE	EE	EE	EE		NN HF	NN	
Fix bias P1					0 V	0 V	0 V	0 V	0 V	0 V	0 V	0 nA	0 nA	0 V	0 nA					0 nA	0 nA	0 nA	0 nA		0 V	.	
Fix bias P2					0 V	0 V	0 V	0 nA	0 V	0 V	0 V	0 nA	0 V	0 nA	0 nA					0 nA	0 nA	0 nA	0 nA		0 V	.	
Gain/bias P1					hi	hi	hi	hi	hi	hi	hi	bias	bias	hi	bias					bias	bias	bias	bias	ibias	hi	hi	
Gain/bias P2					hi	hi	hi	bias	hi	hi	hi	bias	hi	hi	bias					bias	bias	bias	bias	ibias	hi	hi	
LF continuous data (ADC20)																											
Note								Snapshots					Snapshots														
Sampled data					.	.	.	V2	.	.	I1,I2	V1, V2	V1	.	.									V1, V2	.	.	
Number of signals					0	0	0	1	0	0	2	2	1	0	0									2	0	0	
Averaging																											
Downsampling								1			1	1	1														
fsamp [Hz]								57,8			57,80	57,80	57,80											32	1,81		
Bits/sample transmitted								20			20	20	16											16	16		
Samples/AQP/probe								256			1790	1789	256											39	39		
Cadency (if not 1) [AQPs]								4				4															
Cadency (if not 32s) [s]								128					128														
HF wave snapshots (ADC16)																											
Sampled data					I1	I1	I1, I2		I1,I2	I1	.	.	.	I1, I2	V1,V2					V1,V2	V1,V2	V1,V2	V1,V2	.	I1, I2	.	
Number of signals					1	2	2	0	2	1	0	0	0	2	2					2	2	2	2	0	2	0	
Downsampling					1	1	1	1	1	1	1	1	1	1	1					1	1	1	1		1		
fsamp [Hz]					18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750					9375	4688	2344	1172		18750		
Samples					128	256	256	256	2048	128			2048	2048	2048					512	512	512	512		4096		
Cadency [AQPs]					2	8	8	8	2	1	1	1	1	1	1					10	10	10	10	1	2	1	
Cadency [s]					64	256	256	256	64	32	32	32	32	32	32					320	320	320	320	32	64	32	
Coarse sweeps (ADC16)																											
Probes					.	P1, P2	P1, P2	P1	P1, P2	.	.	.	P2	.	.					.	.	.	.	.	.	P1,P2
Number of signals					0	2	2	1	2	0	0	0	1	0	0					0	0	0	0	0	0	0	
Shape					\	\	\	\	V			V	V												V		
Directions (1 or 2)					1	1	1	1	2			2	2												2		
Cadency [AQPs]					8	8	8	8	2			2	2												4		
Cadency [s]					256	256	256	256	64			64	64											1	1		
Range [V]					[-11,+11]	[-30,+15]	[-11,+11]		[-25,+25]				[-11,+11]											32	32		
Step [V]					1	1	1	0.5				1													1		
Number of steps					48	48	48	208				48													224		
Plateau duration [cycles]					512	512	512	512				512													512		
Plateau duration [ms]					27,3	27,3	27,3	27,3				27,3												0,0	0,0		
Downsampling					128	128	128	64				256													1		
Samples per plateau					4	4	4	4	8			2													0		
Samples/sweep/probe					202	202	202	1678				104													1		
Sweep duration [s]					1,38	1,38	1,38	5,73				1,42												0,00	0,00		
Fine sweeps (ADC16)																											
Probes					.	.	.	.	.	.	.	.	.	.	.					.	.	.	.	.	.	.
Number of signals					0	0	0	0	0	0	0	0	0	0	0					0	0	0	0	0	0	0	
Shape					1	1	1	1	1	1	1	1	1	1	1					1	1	1	1	1	1	1	
Cadency [AQPs]					32	32	32	32	32	32	32	32	32	32	32					32	32	32	32	32	32	32	
Cadency [s]																											
Offset [V]																											
Range [V]																											
Step [mV]																											
Number of steps																											
Plateau duration [cycles]																											
Downsampling																											
Samples per plateau																											
Samples/sweep/probe																											
Sweep duration [s]																											
First upload [vmmdd]							040908																				
TM LF [bps]					0,0	0,0	0,0	40,0	0,0	0,0	2237,5	2236,3	32,0	0,0	0,0					0,0	0,0	0,0	0,0	39,0	0,0	0,0	
TM HF [bps]					32,0	32,0	32,0	0,0	1024,0	64,0	0,0	0,0	0,0	2048,0	2048,0					51,2	51,2	51,2	51,2	0,0	2048,0	0,0	
TM CSwp [bps]					0,0	25,3	25,3	12,6	839,0	0,0	0,0	0,0	26,0	0,0	0,0					0,0	0,0	0,0	0,0	0,0	0,0	57,8	
TM FSwp [bps]					0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0					0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TM total [bps]					32,0	57,3	57,3	52,6	1863,0	64,0	2237,5	2236,3	58,0	2048,0	2048,0					51,2	51,2	51,2	51,2	39,0	2048,0	57,8	

Field colour:
Green: currently preferred non-LDL science macros
Orange: currently preferred LDL science macros
Yellow: maintenance, diagnostics, etc.
White: superseded science macros
Blue: ideas

Pink: test macros only used once for verifying internal functionality after launch, not for science use.

Text colour:
Black: NM
Red: BM