

Macro cmd	0x00	0x01	0x02	0x10	0x12	0x12	0x13	0x14	0x15	0x22	0x23	0x26	0x34	0x35
Macro ID	0x100	0x101	0x102	0x200	0x202	0x212	0x203	0x204	0x205	0x302	0x303	0x306	0x404	0x405
Notes	See data	See data	See data	Use 0x703	Replaced	Use 0x505		Use 0x926	Use 0x703			Fine swp		Use 0x604
Purpose	Test	Test	Test	LDL, HF	Swp, HF	Swp, HF	Swp, Vsc	Swp, HF	LDL, HF	HF NE	Vsc HF		EE	NN HF
TM rate				NM	NM	NM	NM	BM	NM	BM	BM		NM	BM
Bias mode				NN	NN	NN	NE	NN	NN	NE	EE			NN HF
Fix bias P1				0 V	0 V	0 V	0 V	0 V	0 V	0 V	0 nA			0 V
Fix bias P2				0 V	0 V	0 V	0 nA	0 V	0 V	0 nA	0 nA			0 V
Gain/bias P1				hi	hi	hi		hi	hi	hi	bias		bias	hi
Gain/bias P2				hi	hi	hi	bias	hi	hi	bias	bias		bias	hi
LF continuous data (ADC20)														
Note							Snapshots						V1, V2	
Sampled data							V2						2	0
Number of signals				0	0	0	1	0	0	0	0			
Averaging														
Downsampling							1						32	
fsamp [Hz]							57.8						1,81	
Bits/sample transmitted							20						16	
Samples/AQP/probe							256						39	
Cadency (if not 1) [AQPs]							4							
Cadency (if not 32s) [s]							128							
HF wave snapshots (ADC16)														
Sampled data				I1	I1	I1, I2		I1, I2	I1	I1, I2	V1, V2			I1, I2
Number of signals				1	2	2	0	2	1	2	2		0	2
Downsampling				1	1	1	1	1	1	1	1			1
fsamp [Hz]				18750	18750	18750	18750	18750	18750	18750	18750			18750
Samples				128	256	256	256	2048	128	2048	2048			4096
Cadency [AQPs]				2	8	8	8	2	1	1	1		1	2
Cadency [s]				64	256	256	256	64	32	32	32		32	64
Coarse sweeps (ADC16)														
Probes					P1, P2	P1, P2	P1	P1, P2	-	-	-			-
Number of signals				0	2	2	1	2	0	0	0		0	0
Shape					\	\	\	V						
Directions (1 or 2)					1	1	1	2						
Cadency [AQPs]					8	8	8	2					1	1
Cadency [s]					256	256	256	64					32	32
Range [V]					[-11, +11]	[-30, +15]	[-11, +11]	[-25, +25]						
Step [V]					1	1	1	0.5						
Number of steps					48	48	48	208						
Plateau duration [cycles]					512	512	512	512						
Plateau duration [ms]					27.3	27.3	27.3	27.3					0.0	0.0
Downsampling					128	128	128	64					1	1
Samples per plateau					4	4	4	8					0	0
Samples/sweep/probe					202	202	202	1678					1	1
Sweep duration [s]					1.38	1.38	1.38	5.73					0.00	0.00
Fine sweeps (ADC16)														
Probes														
Number of signals				0	0	0	0	0	0	0	0		0	0
Shape														
Cadency [AQPs]				1	1	1	1	1	1	1	1		1	1
Cadency [s]				32	32	32	32	32	32	32	32		32	32
Offset [V]														
Range [V]														
Step [mV]														
Number of steps														
Plateau duration [cycles]														
Downsampling														
Samples per plateau														
Samples/sweep/probe														
First upload [vmmdd]							040908							
TM LF [bps]				0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0		39.0	0.0
TM HF [bps]				32.0	32.0	32.0	0.0	1024.0	64.0	2048.0	2048.0		0.0	2048.0
TM CSwp [bps]				0.0	25.3	25.3	12.6	839.0	0.0	0.0	0.0		0.0	0.0
TM FSwp [bps]				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	2048.0	2048.0		39.0	2048.0

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