

# MCT 10 Set-up Software

MCT 10 Set-up Software Project -- Untitled

Saturday, November 08, 2025

Group Folder: Project

Drive Name: 1; VLT 6004 380V-480V

	Connected Drive Information	Database Information
Drive Series:	VLT 6000	VLT 6000
Drive Type:	6004 380V-480V	6004 380V-480V
SW Version:	3.22	3.22
Communication Option:	None	None
Application Option:	None	None
Drive Address: 1		
Field-bus: Serial		
Description		

## Parameter Group: 0-\*\* Operation and display

ID	Name	Setup 1	Setup 2	Setup 3	Setup 4	Unit
001	Language	English (0)	English (0)	English (0)	English (0)	
002	Active setup	Setup 1 (1)	Setup 1 (1)	Setup 1 (1)	Setup 1 (1)	
003	Setup copy	No copy (0)	No copy (0)	No copy (0)	No copy (0)	
004	Lcp copy	No copy (0)	No copy (0)	No copy (0)	No copy (0)	
005	Custom readout	100.00	100.00	100.00	100.00	
006	Cust. read. unit	% (1)	% (1)	% (1)	% (1)	
007	Large readout	Frequency [Hz] (3)	Frequency [Hz] (3)	Frequency [Hz] (3)	Frequency [Hz] (3)	
008	Small readout 1	Reference [%] (1)	Reference [%] (1)	Reference [%] (1)	Reference [%] (1)	
009	Small readout 2	Feedback 1 [units] (13)	Motor current [A] (5)	Motor current [A] (5)	Motor current [A] (5)	
010	Small readout 3	Power [kW] (6)	Power [kW] (6)	Power [kW] (6)	Power [kW] (6)	
011	Unit of loc ref	Hz (0)	Hz (0)	Hz (0)	Hz (0)	
012	Hand start btn	Disable (0)	Enable (1)	Enable (1)	Enable (1)	
013	Stop button	Enable (1)	Enable (1)	Enable (1)	Enable (1)	
014	Auto start btn	Enable (1)	Enable (1)	Enable (1)	Enable (1)	
015	Reset button	Enable (1)	Enable (1)	Enable (1)	Enable (1)	
016	Data change lock	Not locked (0)	Not locked (0)	Not locked (0)	Not locked (0)	
017	Power up action	Auto restart (0)	Auto restart (0)	Auto restart (0)	Auto restart (0)	

## Parameter Group: 1-\*\* Load and motor

ID	Name	Setup 1	Setup 2	Setup 3	Setup 4	Unit
100	Config. mode	Closed loop forward (1)	Open loop (0)	Open loop (0)	Open loop (0)	
101	Vt charact.	Aeo function (0)	Aeo function (0)	Aeo function (0)	Aeo function (0)	
102	Motor power	2.20	2.20	2.20	2.20	kW
103	Motor voltage	400	380	380	380	V
104	Motor frequency	50	50	50	50	Hz
105	Motor current	4.50	5.58	5.58	5.58	A
106	Motor nom. speed	2850	1420	1420	1420	RPM
107	Auto motor adapt	No ama (0)	No ama (0)	No ama (0)	No ama (0)	
108	Multim.startvolt	12.6	12.6	12.6	12.6	V
109	Resonance damp.	100	100	100	100	%
110	High start torq.	0.0	0.0	0.0	0.0	s
111	Start delay	0.0	0.0	0.0	0.0	s
112	Motor preheat	Disable (0)	Disable (0)	Disable (0)	Disable (0)	
113	Preheat dc curr.	50	50	50	50	%
114	Dc brake current	50	50	50	50	%
115	Dc braking time	10.0	10.0	10.0	10.0	s
116	Dc brake cut-in	0.0	0.0	0.0	0.0	Hz
117	Mot.therm protec	Thermistor fault (2)	Etr trip 1 (4)	Etr trip 1 (4)	Etr trip 1 (4)	
118	Motor pwr fact	0.75	0.75	0.75	0.75	

## Parameter Group: 2-\*\* References and limits

ID	Name	Setup 1	Setup 2	Setup 3	Setup 4	Unit
200	Frequency range	0-120 hz (0)	0-120 hz (0)	0-120 hz (0)	0-120 hz (0)	
201	Min. frequency	0.0	0.0	0.0	0.0	Hz
202	Max. frequency	50.0	50.0	50.0	50.0	Hz
203	Reference site	Remote (2)	Linked to hand/auto (0)	Linked to hand/auto (0)	Linked to hand/auto (0)	
204	Min. reference	0.000	0.000	0.000	0.000	
205	Max. reference	10.000	50.000	50.000	50.000	
206	Ramp up time	1	10	10	10	s
207	Ramp down time	1	10	10	10	s
208	Autoramping	Enable (1)	Enable (1)	Enable (1)	Enable (1)	
209	Jog frequency	10.0	10.0	10.0	10.0	Hz
210	Ref. function	Sum (0)	Sum (0)	Sum (0)	Sum (0)	
211	Preset ref. 1	0.00	0.00	0.00	0.00	%
212	Preset ref. 2	0.00	0.00	0.00	0.00	%
213	Preset ref. 3	0.00	0.00	0.00	0.00	%
214	Preset ref. 4	0.00	0.00	0.00	0.00	%
215	Curr limit motor	6.2	5.6	5.6	5.6	A
216	Freq bypass b.w.	0	0	0	0	Hz
217	Bypass freq. 1	120.0	120.0	120.0	120.0	Hz
218	Bypass freq. 2	120.0	120.0	120.0	120.0	Hz
219	Bypass freq. 3	120.0	120.0	120.0	120.0	Hz
220	Bypass freq. 4	120.0	120.0	120.0	120.0	Hz
221	Warn. current lo	0.0	0.0	0.0	0.0	A
222	Warn. current hi	6.1	6.1	6.1	6.1	A
223	Warn. freq. low	0.0	0.0	0.0	0.0	Hz
224	Warn. freq. high	120.0	120.0	120.0	120.0	Hz
225	Warn. low ref.	-999,999.999	-999,999.999	-999,999.999	-999,999.999	
226	Warn. high ref.	999,999.999	999,999.999	999,999.999	999,999.999	
227	Warn. low fdbk	-999,999.999	-999,999.999	-999,999.999	-999,999.999	
228	Warn. high fdbk	999,999.999	999,999.999	999,999.999	999,999.999	

**Parameter Group: 3-\*\* Inputs and outputs**

ID	Name	Setup 1	Setup 2	Setup 3	Setup 4	Unit
300	Digital input 16	No operation (0)	Reset (1)	Reset (1)	Reset (1)	
301	Digital input 17	No operation (0)	Freeze reference (2)	Freeze reference (2)	Freeze reference (2)	
302	Digital input 18	Start (1)	Start (1)	Start (1)	Start (1)	
303	Digital input 19	No operation (0)	Reversing (1)	Reversing (1)	Reversing (1)	
304	Digital input 27	Coast inverse (0)	Coast inverse (0)	Coast inverse (0)	Coast inverse (0)	
305	Digital input 29	No operation (0)	Jog (12)	Jog (12)	Jog (12)	
306	Digital input 32	No operation (0)	No operation (0)	No operation (0)	No operation (0)	
307	Digital input 33	No operation (0)	No operation (0)	No operation (0)	No operation (0)	
308	Ai [V] 53 funct.	Thermistor input (3)	Reference (1)	Reference (1)	Reference (1)	
309	Ai 53 scale low	0.0	0.0	0.0	0.0	V
310	Ai 53 scale high	10.0	10.0	10.0	10.0	V
311	Ai [V] 54 funct.	No operation (0)	No operation (0)	No operation (0)	No operation (0)	
312	Ai 54 scale low	0.0	0.0	0.0	0.0	V
313	Ai 54 scale high	10.0	10.0	10.0	10.0	V
314	Ai [mA] 60 funct	Feedback (2)	Reference (1)	Reference (1)	Reference (1)	
315	Ai 60 scale low	4.0	4.0	4.0	4.0	mA
316	Ai 60 scale high	20.0	20.0	20.0	20.0	mA
317	Live zero time	1	10	10	10	s
318	Live zero funct.	Stop (2)	No function (0)	No function (0)	No function (0)	
319	Ao 42 function	No function (0)	Motor cur. 0- 20 ma (38)	Motor cur. 0- 20 ma (38)	Motor cur. 0- 20 ma (38)	
320	Ao 42 puls scale	5000	5000	5000	5000	Hz
321	Ao 45 function	No function (0)	Out. freq. 0- 20 ma (29)	Out. freq. 0- 20 ma (29)	Out. freq. 0- 20 ma (29)	
322	Ao 45 puls scale	5000	5000	5000	5000	Hz
323	Relay 1 function	Alarm (8)	Alarm (8)	Alarm (8)	Alarm (8)	
324	Relay1 on delay	0	0	0	0	s
325	Relay1 off delay	0	0	0	0	s
326	Relay 2 function	Running (3)	Running (3)	Running (3)	Running (3)	
327	Pulse ref. max	5000	5000	5000	5000	Hz
328	Pulse fdbk. max.	25000	25000	25000	25000	Hz

**Parameter Group: 4-\*\* Special functions**

<b>ID</b>	<b>Name</b>	<b>Setup 1</b>	<b>Setup 2</b>	<b>Setup 3</b>	<b>Setup 4</b>	<b>Unit</b>
400	Reset function	Manual reset (0)	Manual reset (0)	Manual reset (0)	Manual reset (0)	
401	Autorestart time	10	10	10	10	s
402	Flying start	Disable (0)	Disable (0)	Disable (0)	Disable (0)	
403	Sleep mode timer	301	301	301	301	s
404	Sleep frequency	0.0	0.0	0.0	0.0	Hz
405	Wakeup frequency	50.0	50.0	50.0	50.0	Hz
406	Boost setpoint	100	100	100	100	%
407	Switch freq.	4.5	4.5	4.5	4.5	kHz
408	Noise reduction	Asfm (0)	Asfm (0)	Asfm (0)	Asfm (0)	
409	Funct. low curr.	Warning (1)	Warning (1)	Warning (1)	Warning (1)	
410	Mains imbalance	Trip (0)	Trip (0)	Trip (0)	Trip (0)	
411	Funct. overtemp.	Trip (0)	Trip (0)	Trip (0)	Trip (0)	
412	Overload delay	10	61	61	61	s
413	Min. feedback	0.000	0.000	0.000	0.000	
414	Max. feedback	10.000	100.000	100.000	100.000	
415	Ref./fdbk. unit	Bar (16)	% (1)	% (1)	% (1)	
416	Feedback conv.	Linear (0)	Linear (0)	Linear (0)	Linear (0)	
417	2 feedback calc.	Maximum (1)	Maximum (1)	Maximum (1)	Maximum (1)	
418	Setpoint 1	3.600	0.000	0.000	0.000	
419	Setpoint 2	0.000	0.000	0.000	0.000	
420	Pid nor/inv.ctrl	Normal (0)	Normal (0)	Normal (0)	Normal (0)	
421	Pid anti windup	Enable (1)	Enable (1)	Enable (1)	Enable (1)	
422	Pid start value	0.0	0.0	0.0	0.0	Hz
423	Pid prop. gain	2.00	0.30	0.30	0.30	
424	Pid integr. time	0.50	9,999.00	9,999.00	9,999.00	s
425	Pid diff. time	0.00	0.00	0.00	0.00	s
426	Pid diff. gain	5.0	5.0	5.0	5.0	
427	Pid filter time	0.01	0.01	0.01	0.01	s
430	Fire mode	Disable (0)	Disable (0)	Disable (0)	Disable (0)	
431	Fire mode freq.	50.0	50.0	50.0	50.0	Hz
432	Firem byp. delay	0	0	0	0	s
433	Fire mode ref.	Fixed (0)	Fixed (0)	Fixed (0)	Fixed (0)	
472	Boost timeout	30	30	30	30	s
483	Dyn dc-link comp	Enable (1)	Enable (1)	Enable (1)	Enable (1)	

**Parameter Group: 5-\*\* Serial communication**

<b>ID</b>	<b>Name</b>	<b>Setup 1</b>	<b>Setup 2</b>	<b>Setup 3</b>	<b>Setup 4</b>	<b>Unit</b>
500	Protocol	Fc (0)	Fc (0)	Fc (0)	Fc (0)	
501	Address	1	1	1	1	
502	Baud rate	9600 baud (5)	9600 baud (5)	9600 baud (5)	9600 baud (5)	
503	Coasting	Logic or (3)	Logic or (3)	Logic or (3)	Logic or (3)	
504	Dc brake	Logic or (3)	Logic or (3)	Logic or (3)	Logic or (3)	
505	Start	Logic or (3)	Logic or (3)	Logic or (3)	Logic or (3)	
506	Reversing	Digital input (0)	Digital input (0)	Digital input (0)	Digital input (0)	
507	Select. setup	Logic or (3)	Logic or (3)	Logic or (3)	Logic or (3)	
508	Select. speed	Logic or (3)	Logic or (3)	Logic or (3)	Logic or (3)	
533	Displ.text line1					
534	Displ.text line2					
555	Bus time inter.	60	60	60	60	s
556	Bus time funct.	No function (0)	No function (0)	No function (0)	No function (0)	
560	N2 over.rel.time	65534	65534	65534	65534	s
565	Fln time inter.	60	60	60	60	s
566	Fln time funct.	No function (0)	No function (0)	No function (0)	No function (0)	
570	M.bus par./frame	No parity/ 1 stopbit (2)	No parity/ 1 stopbit (2)	No parity/ 1 stopbit (2)	No parity/ 1 stopbit (2)	
571	M.bus com.time.	100	100	100	100	ms

**Parameter Group: 6-\*\* Technical functions**

<b>ID</b>	<b>Name</b>	<b>Setup 1</b>	<b>Setup 2</b>	<b>Setup 3</b>	<b>Setup 4</b>	<b>Unit</b>
600	Operating hours	27,763.0	27,763.0	27,763.0	27,763.0	
601	Running hours	20,948.8	20,948.8	20,948.8	20,948.8	
602	Kwh counter	11,212.7	11,212.7	11,212.7	11,212.7	
603	Power up's	154	154	154	154	
604	Over temp's	0	0	0	0	
618	Reset kwh count	Do not reset (0)	Do not reset (0)	Do not reset (0)	Do not reset (0)	
619	Reset run. hour	Do not reset (0)	Do not reset (0)	Do not reset (0)	Do not reset (0)	
620	Operation mode	Normal operation (0)	Normal operation (0)	Normal operation (0)	Normal operation (0)	
621	Drive type	VLT 6004 380V-480V	VLT 6004 380V-480V	VLT 6004 380V-480V	VLT 6004 380V-480V	
622	Power section	STANDARD	STANDARD	STANDARD	STANDARD	
623	Ordering no	175Z7049	175Z7049	175Z7049	175Z7049	
624	Software version	V 3.22	V 3.22	V 3.22	V 3.22	
625	Lcp id no.	ID 1.50 2kB	ID 1.50 2kB	ID 1.50 2kB	ID 1.50 2kB	
626	Param db id	ID 1.34	ID 1.34	ID 1.34	ID 1.34	
627	Power unit db id	ID 2.12	ID 2.12	ID 2.12	ID 2.12	
628	Applic. option	NONE	NONE	NONE	NONE	
629	Applic. order no					
630	Com. option	NONE	NONE	NONE	NONE	
631	Com. order no					

**Alarms :**

<b>Date Read</b>	<b>Time Read</b>	<b>Drive Time</b>	<b>Code</b>	<b>Alarm Text</b>
------------------	------------------	-------------------	-------------	-------------------

No Alarms can be printed out in Basic Version.

**Warnings :**

<b>Date Read</b>	<b>Time Read</b>	<b>Drive Time</b>	<b>Code</b>	<b>Warning Text</b>
------------------	------------------	-------------------	-------------	---------------------

No Warnings can be printed out in Basic Version.

**Fault Log :**

No Fault Log can be printed out in Basic Version.