James Heal
Extraordinary Testing Solutions

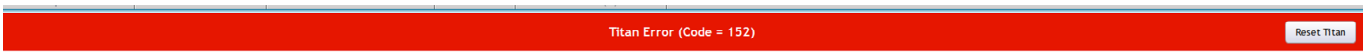
FAQ

Titan[5] and Titan[10] Error Codes

Error Code Numbers and their meaning.

These error codes will be reported by TestWise, typically in a bold red band across the top of the screen.

For example:



If you receive and error code and it is not resolved or cleared by using the "Reset Titan" button, then please report to James Heal Support.

Error Code	Debug Message	Description
0	TE_NO_ERR	No Motor Errors
1	TE_ERR_ID	No CM2 ID received from motor
2	TE_ERR_BAUD	Baud rate error
3	TE_ERR_MOTOR_OFF	Error waiting for echo from 'Motor OFF' cmd
4	TE_ERR_RESOLUTION	Error waiting for echo from 'Set Motor Resolution' cmd
5	TE_ERR_SW_LIM_POS	Error waiting for echo from 'Clear SW Limits POSITIVE' cmd
6	TE_ERR_SW_LIM_NEG	Error waiting for echo from 'Clear SW Limits NEGATIVE' cmd
7	TE_ERR_MOTOR_ON	Error waiting for echo from 'Enable Motor' cmd
8	TE_ERR_NO_STATUS	Error waiting for echo from 'Motor Status' cmd
9	TE_ERR_BAD_STATUS	Error when receiving a MOTOR STATUS CMD
11	TE_ERR_LOST_COMMS	Communications has been lost
12	TE_ERR_MOTOR_STATUS	No Motor Status CMD has been received
13	TE_ERR_TIMEOUT	Motor Timeout
15	TE_ERR_INIT_MOTOR_ENABLE_MOTOR_ERR	Error while enabling motor during motor init.
20	TE_ERR_HOME_SETTIN_PARAMS	There was an error while setting the motor parameters.
21	TE_ERR_HOME_NO_MOTOR_ON	The 'MOTOR ON' CMD was not echoed back.
22	TE_ERR_HOME_NO_MOTOR_RUN	The 'MOTOR RUN' CMD was not echoed back.
23	TE_ERR_HOME_TIMEOUT	Timeout has occurred while homing - 90s timeout.
24	TE_ERR_HOME_PAUSE	The 'PAUSE' CMD has not been echoed back.
30	TE_ERR_CREEP_SETTIN_PARAMS	There was an error while setting the motor parameters.
31	TE_ERR_CREEP_NO_MOTOR_ON	The 'MOTOR ON' CMD was not echoed back.
32	TE_ERR_CREEP_NO_MOTOR_RUN	The 'MOTOR RUN' CMD was not echoed back.
33	TE_ERR_CREEP_TIMEOUT	Timeout occurred while crawling past the proximity sensor - 10s.
34	TE_ERR_CREEP_NO_MOTOR_OFF	The 'MOTOR OFF' CMD has not been echoed back.
35	TE_ERR_HOME_NO_POS_RESET	The 'RESET POSITION' CMD has not been echoed back.
40	TE_ERR_NO_REV_COORDS	The 'REVERSE CO-ORDS' CMD has not been echoed back.
41	TE_ERR_NO_SW_LIM_NEG	The 'SET SW NEG CO-ORDS' CMD has not been echoed back.
42	TE_ERR_NO_SW_LIM_POS	The 'SET SW POS CO-ORDS' CMD has not been echoed back.
50	TE_ERR_ZERO_SCALE_CALIB	Error while performing an Internal Zero-Scale Calibration Error.

Error Code	Debug Message	Description
51	TE_ERR_FULL_SCALE_CALIB	Error while performing an Internal Full-Scale Calibration Error.
52	TE_ERR_CONT_READ	Error while performing a Continuous Read of the Data Register.
53	TE_ERR_SYS_ZERO_SCALE_CALIB	
54	TE_ERR_SYS_FULL_SCALE_CALIB	
55	TE_ERR_NO_REF_ERR	
56	TE_ERR_RDY_BIT_ERR	
60	TE_ERR_JOG_UP_SETTIN_PARAMS	
61	TE_ERR_JOG_UP_NO_MOTOR_ON	
62	TE_ERR_JOG_UP_NO_MOTOR_RUN	
70	TE_ERR_JOG_DOWN_SETTIN_PARAMS	
71	TE_ERR_JOG_DOWN_NO_MOTOR_ON	
72	TE_ERR_JOG_DOWN_NO_MOTOR_RUN	
80	TE_ERR_STOP_NO_MOTOR_OFF	
90	TE_ERR_NO_PAUSE	
100	TE_ERR_SET_PARAMS_POS	
101	TE_ERR_SET_PARAMS_SPEED	
102	TE_ERR_SET_PARAMS_ACCEL	
103	TE_ERR_SET_PARAMS_TORQUE	
110	TE_ERR_MOVEPOS_PAUSE_MOTOR_ERR	
111	TE_ERR_MOVEPOS_SETTIN_PARAMS	
112	TE_ERR_MOVEPOS_RUN_MOTOR_ERR	
113	TE_ERR_MOVEPOS_MOTOR_STAT_ERR	
120	TE_ERR_PULL_FORCE_PAUSE_MOTOR_ERR	
121	TE_ERR_PULL_FORCE_SETTIN_PARAMS	
122	TE_ERR_PULL_FORCE_RUN_MOTOR_ERR	
123	TE_ERR_PULL_FORCE_MOTOR_STAT_ERR	
130	TE_ERR_HOLD_FORCE_PAUSE_MOTOR_ERR	
131	TE_ERR_HOLD_FORCE_SETTIN_PARAMS	
132	TE_ERR_HOLD_FORCE_RUN_MOTOR_ERR	
133	TE_ERR_HOLD_FORCE_MOTOR_STAT_ERR	
140	TE_ERR_CYCLIC_START_PAUSE_MOTOR_ERR	
141	TE_ERR_CYCLIC_START_SETTIN_PARAMS	
142	TE_ERR_CYCLIC_START_RUN_MOTOR_ERR	
143	TE_ERR_CYCLIC_START_MOTOR_STAT_ERR	
145	TE_ERR_CYCLIC_END_PAUSE_MOTOR_ERR	
146	TE_ERR_CYCLIC_END_SETTIN_PARAMS	
147	TE_ERR_CYCLIC_END_RUN_MOTOR_ERR	
148	TE_ERR_CYCLIC_END_MOTOR_STAT_ERR	

Error Code	Debug Message	Description
150	TE_ERR_ESTOP_BTN	
151	TE_ERR_ESTOP_TOP_LIM_SW	Hit top limit switch
152	TE_ERR_ESTOP_BOT_LIM_SW	Hit bottom limit switch
170	TE_ERR_CM2_OVERLOAD	
171	TE_ERR_CM2_OVERTEMP	
172	TE_ERR_CM2_ESTOP	
173	TE_ERR_CM2_OVERCURRENT	
174	TE_ERR_CM2_READ_POS	
175	TE_ERR_SPI_TIMEOUT	SPI timeout means that either the AtoD (loadcell input) or DtoA(Drive output) or both have not responded to a message from the bottom board.
176	TE_ERR_MOTOR_RUNAWAY	Motor runaway indicates either the DtoA is faulty and is not able to hold the drive in position, or the encoder pulses back from the Panasonic drive are faulty (eg, cable error, loose wire, damaged or loose encoder etc…)
180	TE_ERR_ENABLE_MOTOR_FREE	
181	TE_ERR_ENABLE_MOTOR_RUNNING	
185	TE_ERR_PAUSE_MOTOR_FREE	
186	TE_ERR_PAUSE_MOTOR_PAUSED	
190	TE_ERR_LOADCELL_OVERLOAD	
200	TE_ERR_WATCHDOG	
255	TE_ERR_UNKNOWN_ERR	There is an unknown error !

http://appsupport.james-heal.co.uk/support/home