

Present ASCII serial commands:

Com-mand	Description	Parameters	Examples
LBF	Change display units to foot pounds	CR at end	Command: LBF<CR> Response: OK
LBS	Change display units to inch pounds	CR at end	Command: LBS<CR> Response: OK
NMT	Change display units to Newton Meters	CR at end	Command: NMT<CR> Response: OK
MMV Or ?	Return current torque value	CR at end or ? CR at end If '?' alone, no CR is needed	Command: MMV?<CR> or MMV<CR> Response: Torque value
DMM	Return torque memory contents	CR at end or ? CR at end	Command: DMM?<CR> or DMM<CR> Response: All saved torque readings
RMM	Clear torque memory contents	CR at end or ? CR at end	Command: RMM<CR> Response: OK
RDP	Clear display and peak	CR at end	Command: RDP<CR> Response: OK
PER	Get / Set Setpoint Percent	Get: CR at end or ? CR at end Set: PER,X or XX, = 0 to 10 %, 0 = OFF	Get: Command: PER?<CR> or PER<CR> Response: Setpoint Percent Value Set: Command: PER,5<CR> = Set Setpoint % to 5% Response: OK
SET	Get / Set Setpoint	Get: CR at end or ? CR at end Set: SET,X or XXXXX	Get: Command: SET?<CR> or SET<CR> Response: Setpoint Value

Com- mand	Description	Parameters	Examples
			Set: Command: SET,50.0<CR> = Set Setpoint to 50.0 Response: OK
BAT	Get Battery Level	CR at end or ? CR at end	Command: BAT<CR> Response: Battery Level in percent full.
SWO	Get / Set Auto Off Time	Get: CR at end or ? CR at end Set: SWO,X or XX	Get: Command: SWO?<CR> or SWO<CR> Response: Auto off time in minutes Set: Command: SWO,10<CR> = Set Auto off time to 10 minutes. Range 1 to 30 minutes. Response: OK
VER	Get Version	Get: CR at end or ? CR at end	Command: VER<CR> Response: Software Version Number
DPK	Set display peak torque mode	Get: CR at end or ? CR at end	Command: DPK <CR> Response: Software Version Number
DAV	Set display average torque mode	Get: CR at end or ? CR at end	Command: DAV <CR> Response: Software Version Number
PFP	Power up in first peak mode.	CR at end	Command: PFP <CR> Response: OK
PLS	Power up in last saved mode.	CR at end	Command: PLS <CR> Response: OK

USR	Get / Set User Wrench ID	<p>Get: CR at end or ? CR at end</p> <p>Set: USR,(User ID) CR at end</p>	<p>Get:</p> <p>Command: USR?<CR> or SWO<CR></p> <p>Response: User set ID, 24 characters maximum.</p> <p>Set:</p> <p>Command:</p> <p>USR,123456789012345678901234<CR> = Set user ID to '123456789012345678901234.</p> <p>Response: OK</p> <p>Please note any spaces after the comma will be included.</p>
MFG	Get Manufacturer Serial Number	<p>Get: CR at end or ? CR at end</p>	<p>Command: MFG?<CR> or MFG<CR></p> <p>Response: 12 character serial number in the format: YYYYMMDDx123 where:</p> <p>YYYY = year</p> <p>MM = month</p> <p>DD = day</p> <p>x = firmware burning station</p> <p>123 = serial number of device burned that day</p> <p>This number is loaded by the firmware burning station only.</p> <p>Log files are kept on the firmware burner with information on the electronics.</p> <p>The log file name will be YYYYMMDD, indicating the present date, and a new file will be started each day.</p>

ENK	Enable / Disable Keypresses. Stores setting in EEPROM	Get: CR at end or ? CR at end Set: KEY,1,1,1,1 CR at end Position 1 = Units Change, 1 = Enabled, 0 = Disabled Position 2 = Mode Change Position 3 = Target Change Position 4 = Target Tolerance Change	Command: ENK,1,0,1,1<CR> Enables: Units Changes Target Changes Target Tolerance Changes Disables: Mode Changes Response: OK
DTC	Disable target changes. Allows viewing only.	CR at end	Command: DTC <CR> Response: OK
ETC	Enable target changes.	CR at end	Command: ETC <CR> Response: OK
CLP	Return current peak CW torque value	Get: CR at end or ? CR at end	Command: CLP?<CR> or CLP<CR> Response: Current peak CW torque value
ALP	Return current peak CCW torque value	Get: CR at end or ? CR at end	Command: ALP?<CR> or ALP<CR> Response: Current peak CCW torque value
ENB	Enable Options Changes	CR at end	Command: ENB<CR> Response: OK
DIS	Disable Options Changes	CR at end	Command: DIS<CR> Response: OK
ADT	Return the A/D torque reading	CR at end	Command: ADT <CR> Response: Current untared A/D torque value
RST	Reset the electronics	CR at end	Command: RST <CR> Electronics is reset back to powerup state. Response: none

Torque response format:

Character count, 31 message characters plus carriage return / linefeed = 33 total:

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      1111111111222222222233
1234567890123456789012345678901
|      |      ||      ||      ||      :char 1=sign, 7=space, 14/15, 21/22 and 26/27=comma/space
+139.7 ft-lbs, 185.0, OFF, Pass
+ 1669 in-lbs, 2220, 05%, Low
+265.7 Nm      , 250.9, 02%, High
+182.4 ft-lbs, 185.0, 02%, Pass
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