



EZ-TORQ III TORQUE ANALYZER OPERATING INSTRUCTIONS

Rev 1.0 (12/20/2019)



EZtorQ-III User Manual

Version 1.1 (12/20/2019)

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1. Product (產品)

1.1. Models (型號)

Model	Item	Torque Capacity Lbf.In.
EZTorQIII-10i	070810	1 - 10
EZTorQIII-50i	070811	5 - 50
EZTorQIII-100i	070812	10 - 100
EZTorQIII-150i	070813	15 - 150
EZTorQIII-300i	070814	30 - 300

1.2. Specifications (規格)

No.	Feature (詳情)	Specification (規格)
1	Power (電力)	DC3.7V 5,000mAh Li-ion rechargeable battery (DC3.7 5000 Mah 鋰電池)
2	Battery charger (充電器)	DC5V 2A with USB B - Mini USB pin cable
3	Power consumption & Battery run time (蓄電功能)	LCD brightness and power consumption (LCD 顯示器亮度和耗電量) 100% = 600mA (6 hours) 75% = 500mA (8 hours) 50% = 450mA (9 hours) 25% = 330mA (11 hours)
4	LCD display (LCD 顯示)	5" Color LCD Touch Screen (800x480px) (5 吋 LCD 觸碰屏幕)
5	Battery charging time (電池充電時間)	6 hours for full charging (6小時 充滿)
6	Torque range (扭力範圍)	10i, 50i, 100i, 150i, 300i
7	Accuracy (精準值)	+/- 0.5% of reading @ 20 -100% Full Scale (Bi directional calibration)
8	Low pass filter selections	180 / 500 / 1000 Hz

9	Operation Modes	Track, Peak, First Peak (
10	Torque units (扭力單位)	ozf.in. / lbf.in / lbf.ft / cN.m / N.m / Kgf.m / Kgf.cm
11	Data memory (數據記憶)	Memory SD Card, up to 32GB (SD 記憶卡 32GB)
12	Multi Language(語言)	English, Spanish, French, German, Chinese & Portuguese(英語, 西班牙語, 法語, 德語, 中文, 葡萄牙語)
13	test statistics:	SPC data and CMK
14	Reading history (測試數據)	10 last readings (10個最後數據)
15	Display reset(清除數據)	Manual or Auto clear (手動 或 自動清除)
16	OK/NG judgement (OK/NG)	By tolerance setting from target

1.3. Care (注意)

Make sure you always use the original USB 2A charging cable that came with Tester. ((確定始終使用測試儀附帶的原裝 USB 2A 充電器)

Turn OFF Tester before connecting or disconnecting USB Cable. (在連接或拆開 USB 電線之前關閉測試儀)

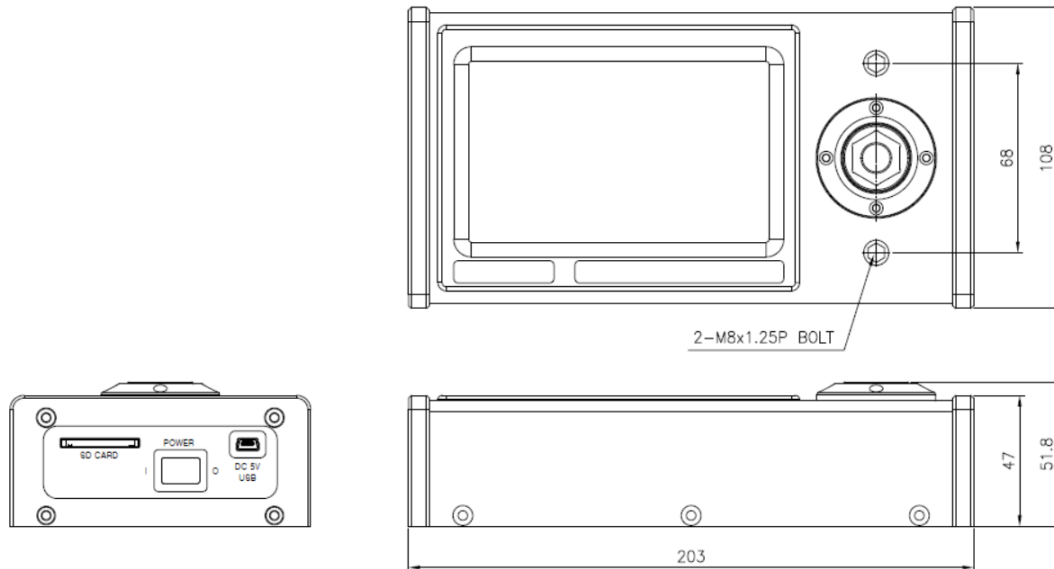
For safety purposes, please make sure tester is mounted on surface before using it. (出於安全考慮，請確保在使用前將測試儀安裝在平面上)

1.4. Layout (設計)



- 8Mb SD card for test data saving with auto folder creating of Year, Month
- Mini USB port is used for battery charging and data download
- Mounting bolts (two built in M8 bolts)

1.5. Dimensions (尺寸)



1.6. Rundown Adapter

						
TORQUE CAPACITIES FOR RDA'S! ▶▶▶	(M2) 1 - 4 lbf.in.	(M3) 4 - 10 lbf.in.	(M4) 10-50 lbf.in.	(M6) 10-100 lbf.in.	(M8) 15 - 150 Lbf.in.	(M12) 30 - 300 Lbf.in.
Torque meter comes with Indicated Rundown Screw Block Adaptor and 1/4" Hex Male TEST Bit for each (except 300i)	EZTorQIII-10i	EZTorQIII-50i	EZTorQIII-100i	EZTorQIII-150i	EZTorQIII-300i	
	M2, M3	M3, M4	M4, M6	M4, M8	M8, M12	

Item Numbers

Screw RDA - M2 (Allen Hex 1.5mm)	070820
Screw RDA - M3 (Allen Hex 2.5mm)	070821
Screw RDA - M4 (Allen Hex 3mm)	070822
Screw RDA - M6 (Allen Hex 5mm)	070823
Screw RDA - M8 (Allen Hex 6mm)	070824
Screw RDA - M12 (Allen Hex 10mm)	070825

NOTES:

- DO NOT EXCEED TORQUE TESTER CAPACITY**
- RDA'S ARE FOR REFERENCE ONLY**

1.7. Case Content (產品內容)

ALL MODELS:							
TORQUE METER (1)	120V POWER CORD WITH 230V ADAPTER (1)	¼ HEX MALE TEST BITS (2), and EXTRA SCREWS	¼" FEMALE SQ.DR. TO 17MM MALE HEX ADAPTER (1)	¼" HEX MALE TO ¼" SQ.DR. MALE ADAPTER (1)	Data Download USB WHITE Cable (1)	Battery Charging USB BLACK Cable (1)	SD MEMORY CARD 8 GB (1)
							
ONLY EZTORQIII-300i MODEL: 3/8" SQ.DR. FEMALE TO 10MM HEX MALE ADAPTER							

2. Quick Menu Structure (目錄結構)

Operation

- Advanced View
- Basic View



Graph

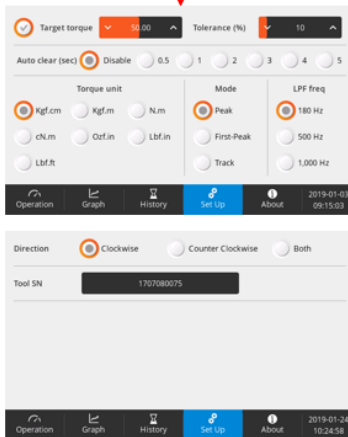
- Real-time torque monitoring



History

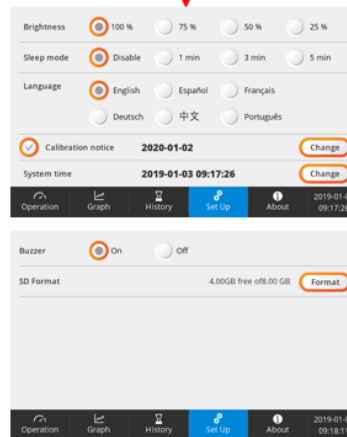
- Display last 10 torque data

No	OK/NG	Time	Torque	Unit	Target	Tol(%)
1	OK	2018-11-23 16:17:59	10.64	Kgf.cm	10.00	10 %
2	OK	2018-11-23 16:18:02	10.84	Kgf.cm	10.00	10 %
3	OK	2018-11-23 16:18:10	10.57	Kgf.cm	10.00	10 %
4	OK	2018-11-23 16:18:18	10.53	Kgf.cm	10.00	10 %
5	OK	2018-11-23 16:18:27	10.38	Kgf.cm	10.00	10 %
6	OK	2018-11-23 16:18:42	10.34	Kgf.cm	10.00	10 %
7	OK	2018-11-23 16:18:50	10.70	Kgf.cm	10.00	10 %
8	OK	2018-11-23 16:18:59	10.50	Kgf.cm	10.00	10 %
9	OK	2018-11-23 16:19:08	11.21	Kgf.cm	10.00	10 %
10	OK	2018-11-23 16:19:22	11.45	Kgf.cm	10.00	10 %



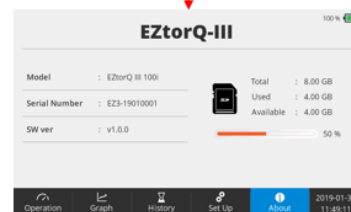
Setting

- Target torque & Tolerance
- Auto clear time
- Torque unit
- Mode (Peak, First-Peak, Track)
- Low Pass Filter Frequency
- Direction (CW,CCW,Both)
- Tool SN



System

- Brightness
- Sleep mode
- Language
- Calibration notice
- System time
- Buzzer (On/Off)
- SD Format



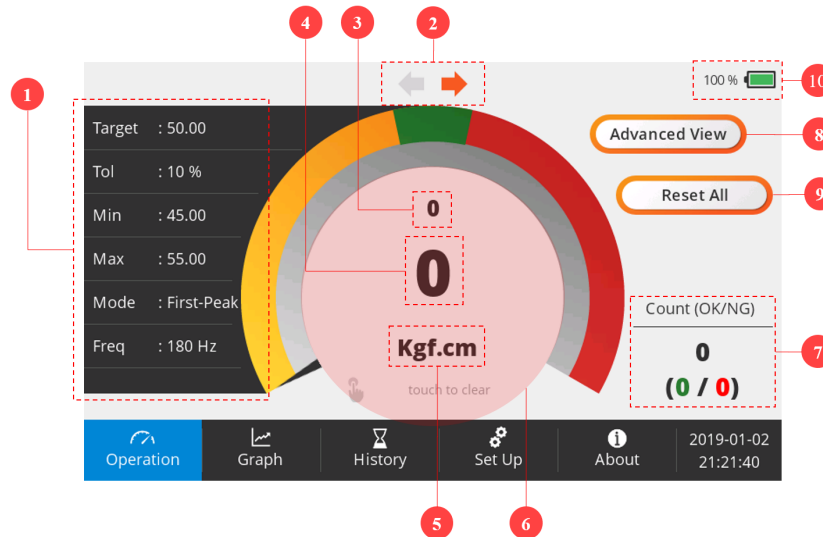
About

- Model
- Serial number
- SW version
- SD state & usage

3. Operation (操作)

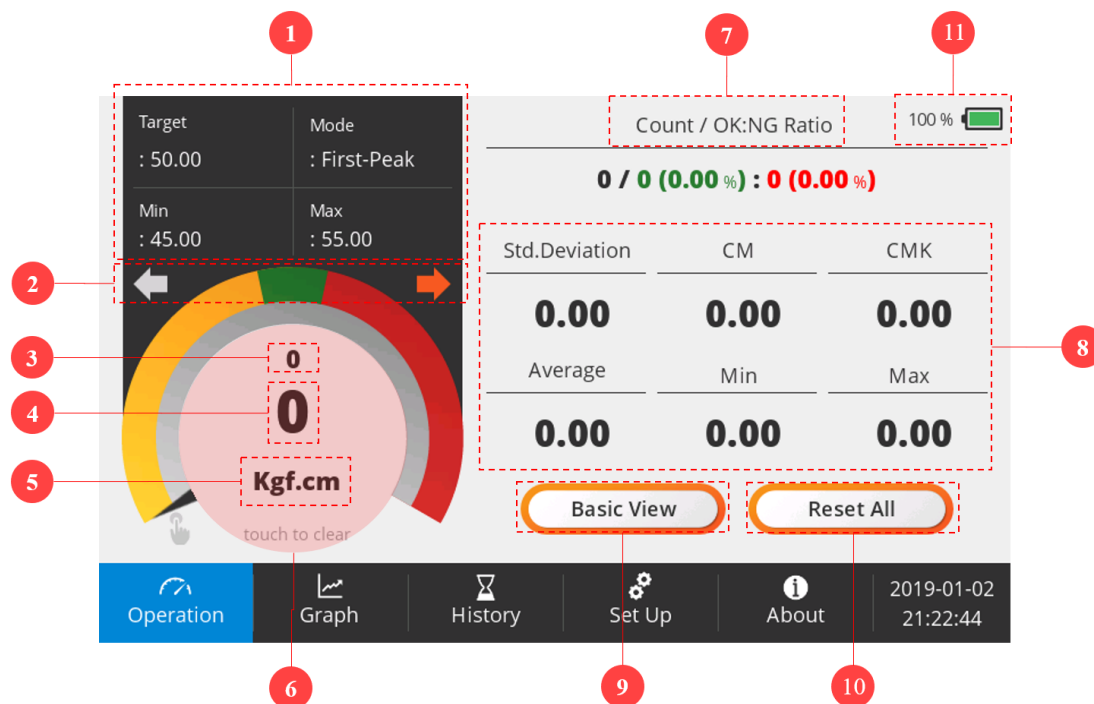
Make sure Tester is fully charged before use
PLEASE UNPLUG TESTER FROM CHARGER WHILE USING IT !

3.1. Basic View (基本視圖)



No	Item	Description
1	Parameters (參數)	Quick view of test parameters (閱覽參數)
2	Rotation Direction(方向)	Counterclockwise (←) Clockwise (→) Both Directions (← →) (逆時針) (←) (順時針) (→) (雙向) (← →)
3	Final peak (only First-Peak mode)(最後峰值)	Final torque value while in the First-Peak mode. (最終扭力值)(第一峰值模式)
4	Torque Reading(扭力數據)	Peak torque, Track torque or First-peak torque while in each mode
5	Torque unit (扭力單位)	Torque unit (Kgf.cm, Kgf.m, Nm, cNm, Ozf.in, Lbf.in, Lbf.ft)
6	Manual reset (手動消除)	Clear the display by touching the circle area of no.6 (觸碰銀幕清除數據)
7	Count(計數)	Number of times torque was applied (計算扭力次數) After setting the target torque it displays the number of OK (green) & NG (Red).
8	Switch to Advanced View(更換到前期預覽)	Display switches to advanced view when pressed (銀幕更換到前期預覽)
9	Reset All (全部重置)	Reset the number of counts, history and all statistic data (Average, Std.Dev, CM, CMK) (重置所有數據)
10	Battery Level Indicator(電量指示燈)	Battery level percentage (電量指示燈百分比)

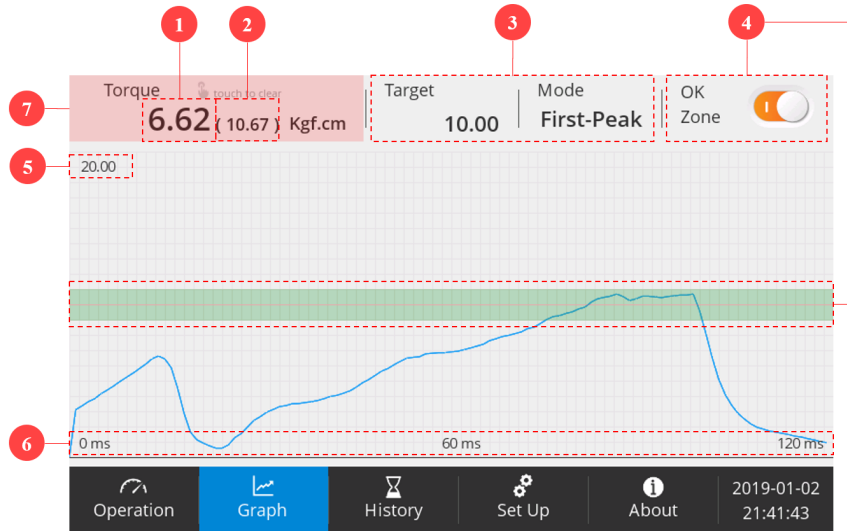
3.2. Advanced View



No	Item	Description
1	Parameters(參數)	Quick view of test parameters. (參數視圖)
2	Rotation Direction(方向)	Counterclockwise (←) Clockwise (→) Both Directions (← →)(逆時針) (←) (順時針) (→) (雙向) (← →)
3	Final peak (only First-Peak)(最後峰值)(	Final torque value while in the First-Peak mode. (最終扭力值)(第一峰值模式)
4	Torque Reading(扭力數據)	Peak torque, Track torque or First-peak torque while in each mode
5	Torque unit(扭力單位)	Torque unit (Kgf.cm, Kgf.m, Nm, cNm, Ozf.in, Lbf.in, Lbf.ft)
6	Manual reset(手動消除)	Reset the display by touching the circle area of no.6 (觸碰銀幕清除數據)
7	Count(計數)	Number of times torque was applied After setting the target torque it displays the number of OK (green) & NG (Red). (計算扭力次數)
8	Statistics(統計)	Statistic data display (Std.Dev, CM, CMK...) (數據統計)
9	Switch to basic view(更換到基本預覽)	Display switches to basic view when pressed(銀幕更換到基本預覽)
10	Reset All(全部重置)	Reset the number of count, history and all statistic data(Average, Std.Dev, CM, CMK) (重置所有數據)
11	Battery Level Indicator(電量指示)	Battery level percentage(電量指示燈百分比)

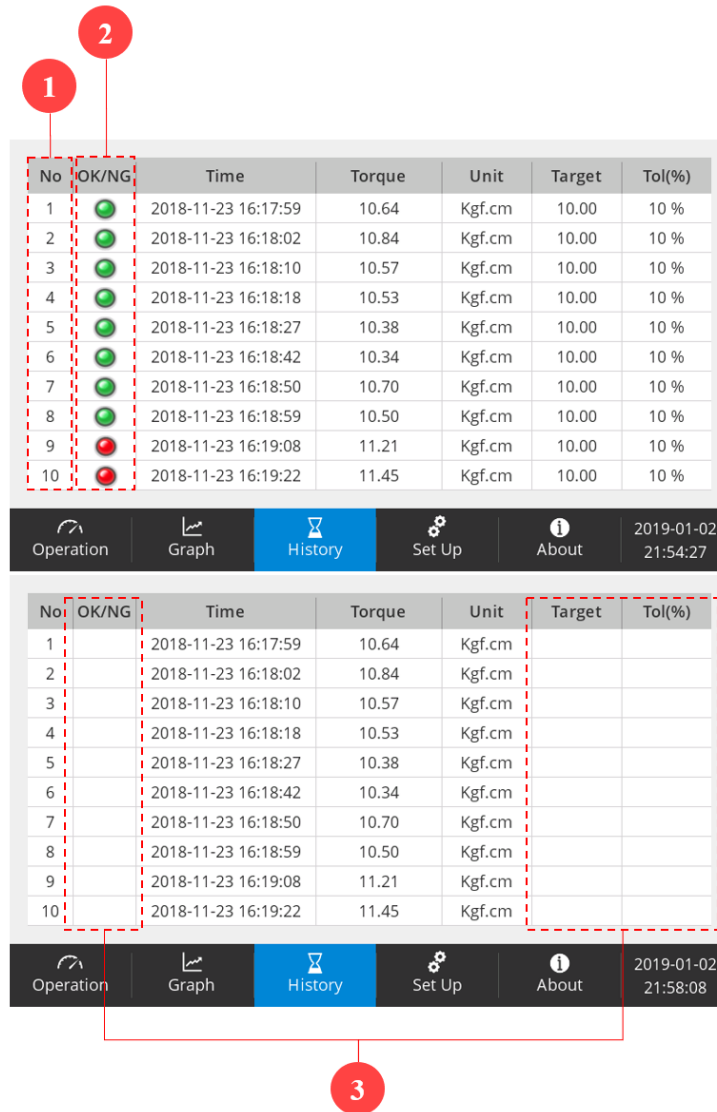
燈)

4. Graph (圖表)



No	Item	Description
1	Torque(扭力)	Peak torque, Track torque or First-peak torque at each mode(峰值, 跟蹤值, 第一峰值)
2	Final peak (only First-Peak)	Final torque value on the First-Peak mode.
3	Parameters(參數)	Parameters on the advanced view operation.
4	OK Zone	OK zone can be created by the ON/OFF switch when there is a target torque set. The target torque setting is the red line. The Min/Max tolerance from the target will create the green zone on the graph
5	Y-axis max torque	Y-axis shows the max torque, The max torque applied is refreshed by real-time monitoring. X,Y scale is automatically rescaled by the collected data.
6	X-axis time (ms)	X-axis shows the time in ms (milli-second). Sampling rate is 1ms. 200 total data points can be captured without data compression. A total of 5,000 data points (5 seconds) can be compressed and displayed
7	Manual reset(手動消除)	Clear the display by touching the circle area(觸碰銀幕清除數據)

5. History (儲存記錄)



1

2

No	OK/NG	Time	Torque	Unit	Target	Tol(%)
1	●	2018-11-23 16:17:59	10.64	Kgf.cm	10.00	10 %
2	●	2018-11-23 16:18:02	10.84	Kgf.cm	10.00	10 %
3	●	2018-11-23 16:18:10	10.57	Kgf.cm	10.00	10 %
4	●	2018-11-23 16:18:18	10.53	Kgf.cm	10.00	10 %
5	●	2018-11-23 16:18:27	10.38	Kgf.cm	10.00	10 %
6	●	2018-11-23 16:18:42	10.34	Kgf.cm	10.00	10 %
7	●	2018-11-23 16:18:50	10.70	Kgf.cm	10.00	10 %
8	●	2018-11-23 16:18:59	10.50	Kgf.cm	10.00	10 %
9	●	2018-11-23 16:19:08	11.21	Kgf.cm	10.00	10 %
10	●	2018-11-23 16:19:22	11.45	Kgf.cm	10.00	10 %

Operation Graph History Set Up About 2019-01-02 21:54:27

No	OK/NG	Time	Torque	Unit	Target	Tol(%)
1		2018-11-23 16:17:59	10.64	Kgf.cm		
2		2018-11-23 16:18:02	10.84	Kgf.cm		
3		2018-11-23 16:18:10	10.57	Kgf.cm		
4		2018-11-23 16:18:18	10.53	Kgf.cm		
5		2018-11-23 16:18:27	10.38	Kgf.cm		
6		2018-11-23 16:18:42	10.34	Kgf.cm		
7		2018-11-23 16:18:50	10.70	Kgf.cm		
8		2018-11-23 16:18:59	10.50	Kgf.cm		
9		2018-11-23 16:19:08	11.21	Kgf.cm		
10		2018-11-23 16:19:22	11.45	Kgf.cm		

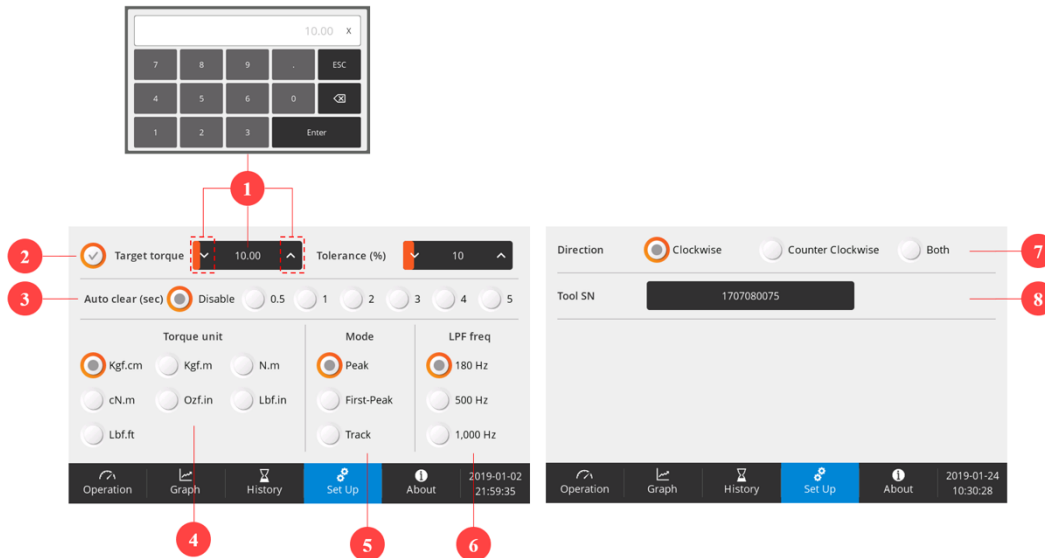
Operation Graph History Set Up About 2019-01-02 21:58:08

3

No	Description
1	The last 10 data points are saved and refreshed. (保存最後十個數據)
2	Test result are displayed in Green for OK and Red for NG. (結果，綠色通過，紅色不通過)
3	If there is not a target torque set OK/NG, Target, and Tolerance data columns are not used. (如果沒有設置目標值，公差線無效)

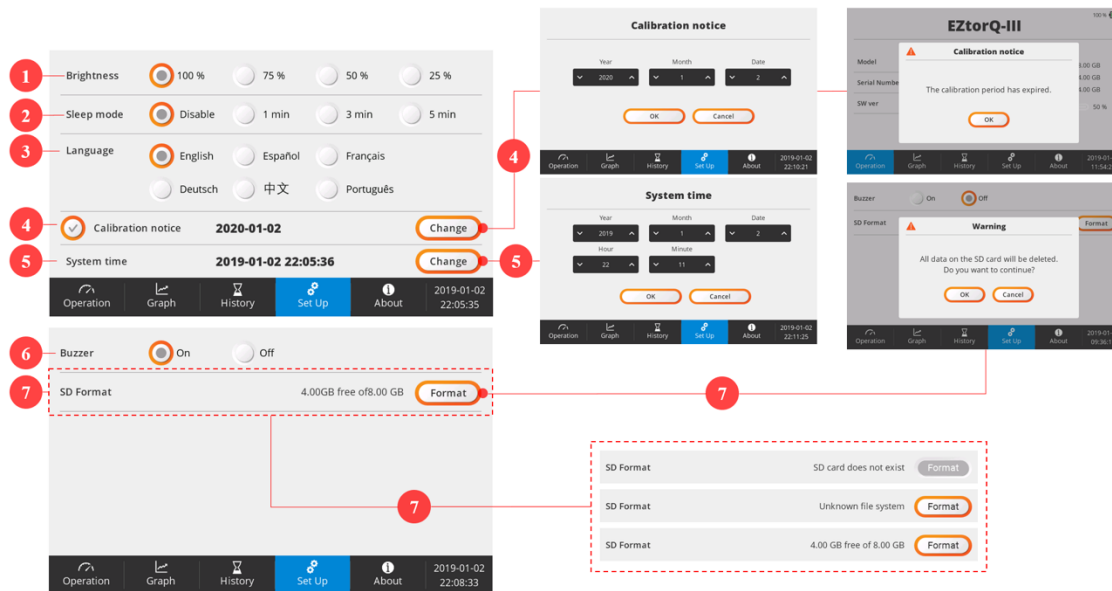
6. Set Up (設置)

6.1. Setting (設定)



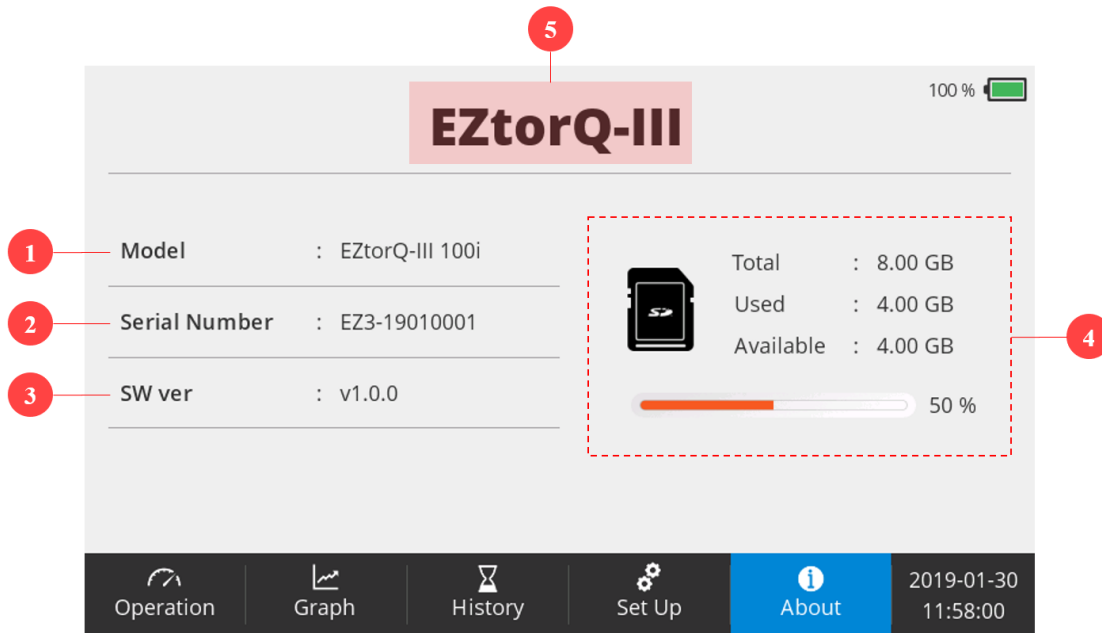
No	Item	Description
1	Up/Down & Numeric key pad (上, 下, 數字鍵)	Target torque can be selected by the UP and DOWN arrow. Touch the center of target torque to open the numeric key pad. (目標扭力值可以用上或下按鍵調整.)
2	Target Torque & Tolerance(目標扭力值&公差)	Check on/off to apply the target torque and tolerance settings.(選開/關設置目標扭矩和公差)
3	Auto clear (sec) (自動清除) (秒)	Select amount of time (seconds) to clear the test data displayed. Or disable to manually clear data (選擇時間量 (秒) 以清除顯示的測試數據。禁用以手動清除數據)
4	Torque Unit (扭力單位)	Torque unit of measure (Kgf.cm, Kgf.m, Nm, cNm, Ozf.in, Lbf.in, Lbf.ft)
5	Mode(模式)	Peak torque, Track torque or First-peak torque (峰值, 追蹤模式, 第一峰值)
6	LPF (Low Pass Filter) freq (頻率)	LPF (Low Pass Filter) frequency setting. ISO standard is 500Hz (頻率設置) ISO 標準是 500 赫茲
7	Direction (方向)	Rotation direction selection Clockwise, Counterclockwise or Both directions(順時針, 逆時針, 或雙向)
8	Tool SN(工具流水號)	You can enter the serial number of the tool you want to measure. This serial number is stored on the SD card along with the test data (輸入工具的流水號, 流水號和測試數據將會保存在SD card)

6.2. System(系統)



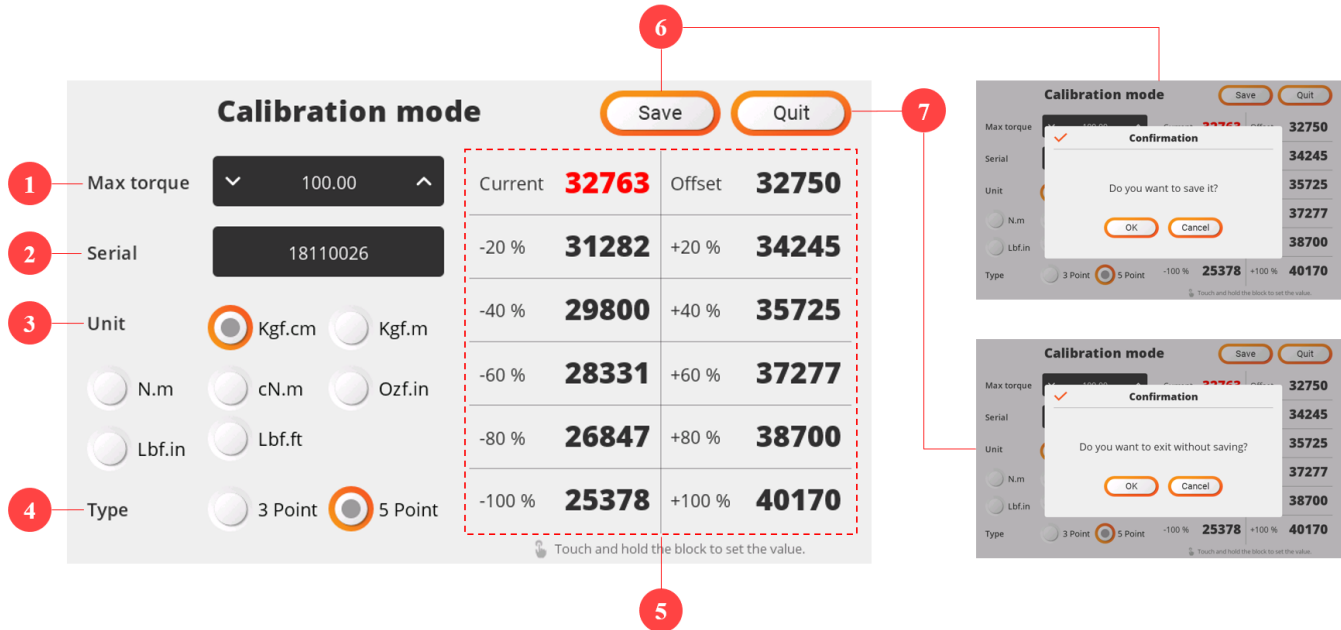
No	Item	Description
1	Brightness(亮度)	LCD brightness adjustment (LCD亮度調整)
2	Sleep mode(睡眠模式)	Timer turns off LCD display when not being used. When the LCD screen is touched unit will wake up. (1,3 and 5 mins)(如不使用, 計時器將會關閉 LCD 螢幕. 觸摸液晶屏時, 將喚醒。
3	Language(語言)	Language selection (English, Spanish, French, Germany, Chinese, Portuguese) (語言選擇) (英語, 西班牙語, 法語, 德語, 中文, 和葡萄牙語)
4	Calibration notice (扭力校準通知)	Calibration expired/reminder notice. Turn off/disable by unchecking circle (扭力校準通知, 如要關閉, 請取消標記)
5	System time(時間)	System clock adjustment (時間調整)
6	Buzzer (警報)	Buzzer On/Off setting (警報開關)
7	SD format(SD格式)	SD card information and format option If the SD card has not been formatted to FAT32, it displays "Unknown file system". Formatting needs to be performed prior to storing any data on SD card

7. About(關於)



No	Item	Description
1	Model(型號)	Torque tester model information (扭力測試儀器型號)
2	Serial number(流水號)	Product serial no. YY,MM,0000 (2 digits for year, 2 digits for month, 4 digits for sequence) 流水號 (年, 月份, 4位序號)
3	SW version(SW版本)	Software version (軟件版本)
4	SD status & usage(SD 卡狀態和使用率)	SD card information (total, used and available memory). SD card 資料 (總額, 使用, 和可用的存儲量)
5	Calibration mode(扭力校準模式)	Tap 5 times on the EZ-TORQ III area to enter into the calibration mode. Calibration password is "5809". (在 EZ-TORQ III 上按 5 次進扭力校準模式, 密碼: "5809")

8. Calibration mode(扭力校準模式)

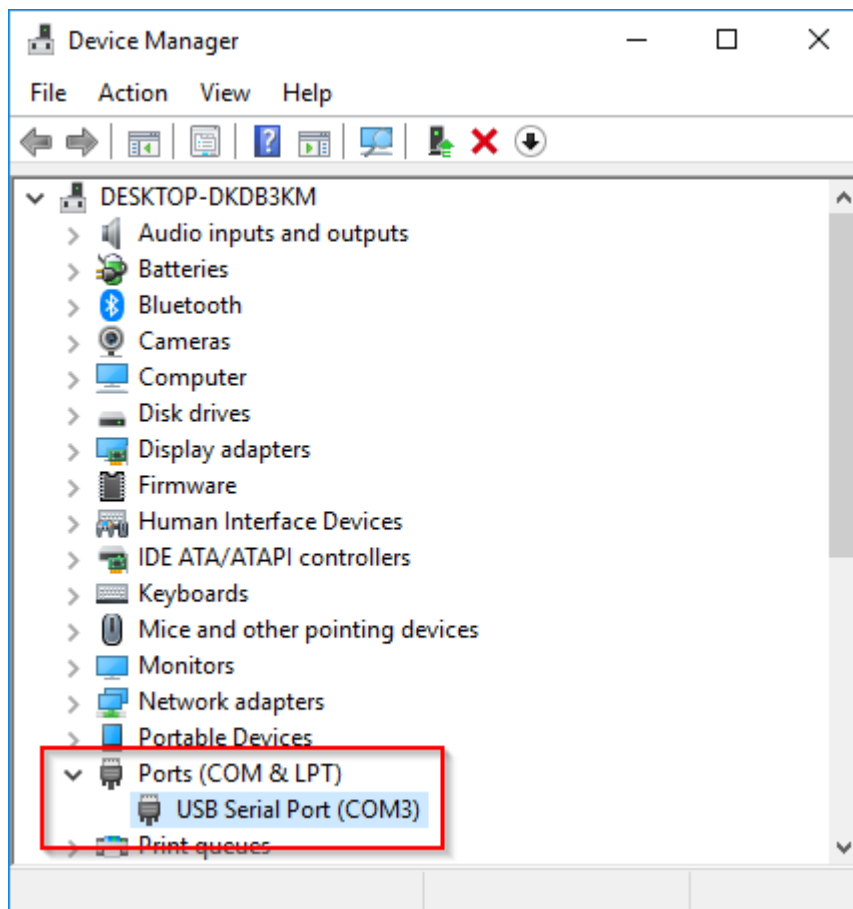


No	Item	Description
1	Max torque(最大扭力值)	Max torque of the range(最大扭力值)
2	Serial number(流水號)	Serial no. YY,MM,0000 (2 digits for year, 2 digits for month, 4 digits for sequence) 流水號 (年, 月份, 4位序號)
3	Unit(單位)	Unit of measure for calibration mode. (校準模式單位)
4	Type(形式)	Select the amount calibration data points (3 points or 5 points). (選擇校準數據點) (3 points or 5 points)
5	ADC Value(AD值)	In order to save the AD/calibration value, press and hold the test point field for 2 seconds. (保存AD /校準值, 請按住測試點 2 秒鐘)
6	Save(儲存)	When pressed all input calibration data will be saved, unit will automatically exit calibration mode(按下後, 所有輸入的校準數據將被保存, 設備將自動退出校準模式)
7	Quit(退出)	Finish the Calibration mode without saving data.(不保存數據的情況下完成校準模式)

9. Data Download: Real Time – HyperTerminal (即時下載)

- A. Connect the PC and EZtorQ-III with a USB cable. (使用USB cable連結電腦和 EZTORQ III)
- B. Make sure "USB Serial Port" is recognized in windows device manager. (確定Windows設備管理器中識別出“USB串行端口”)

* The COM port number may differ depending on the user environment.



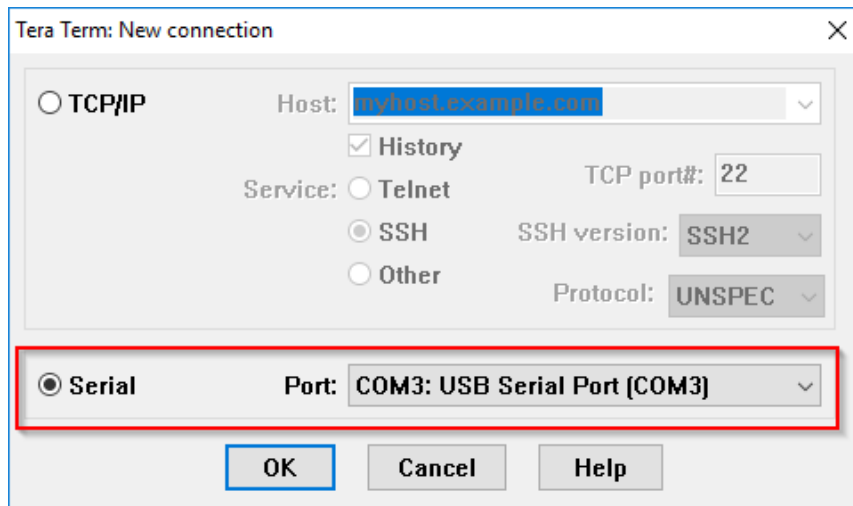
- C. Run a terminal emulator program on your PC. (在您的PC上運行終端仿真器程序)
There are various terminal programs. (e.g. Windows HyperTerminal, Putty, TeraTerm ...) (有各種終端程序)

Here is the manual for TeraTerm. (Tera Term 手冊)

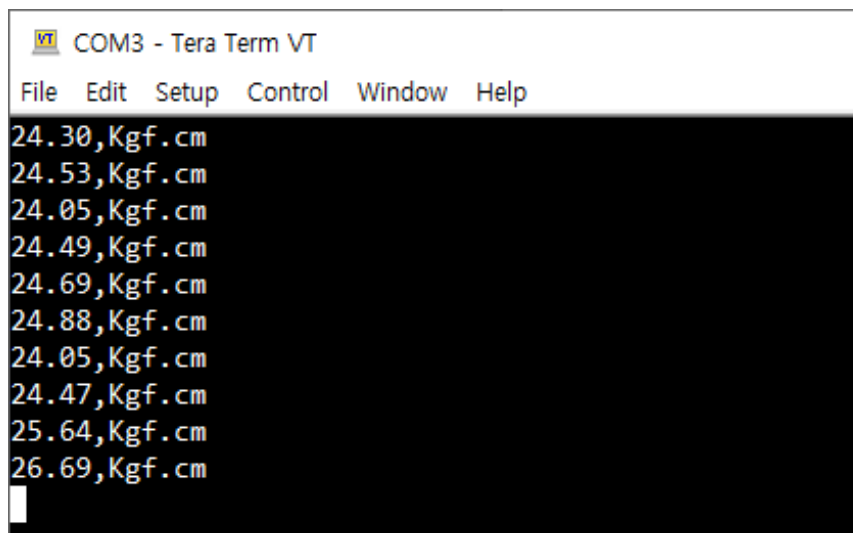
- Download link : <https://osdn.net/projects/ttssh2/releases/>

D. In menu, select [File] → [New connection].

When the following screen appears, select Serial and COM port.



E. The test result is displayed as shown below right after torque testing.

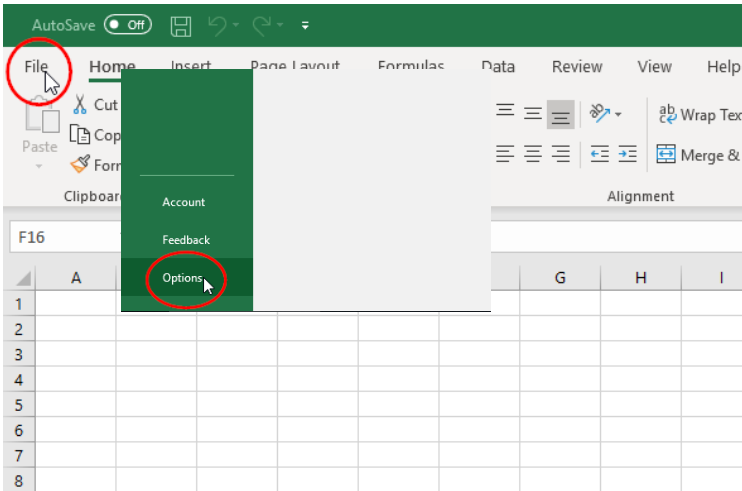


10. Data Download: using Excel data streamer(數據下載) Excel

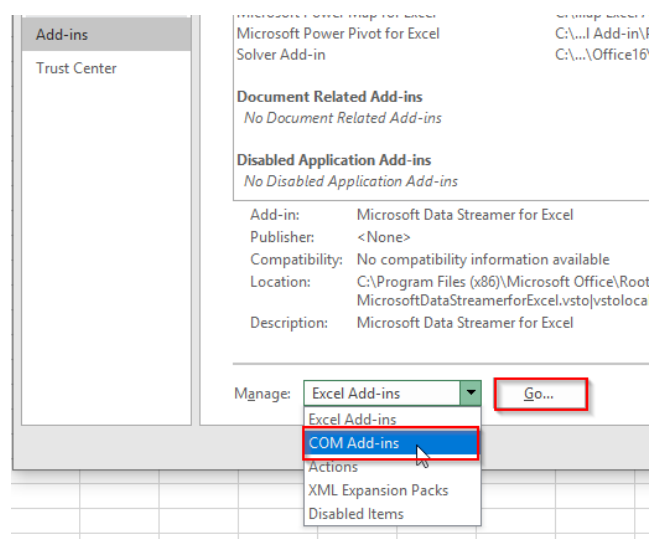
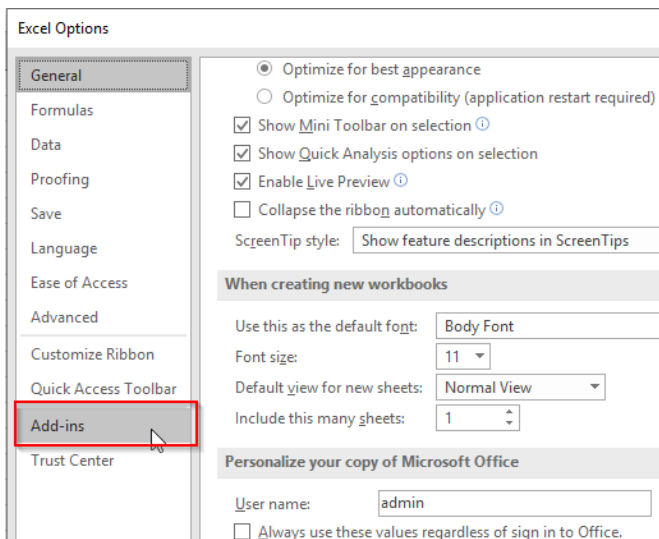
!! Note)

- Data Streamer add-in is available only for Microsoft Office 365 users.

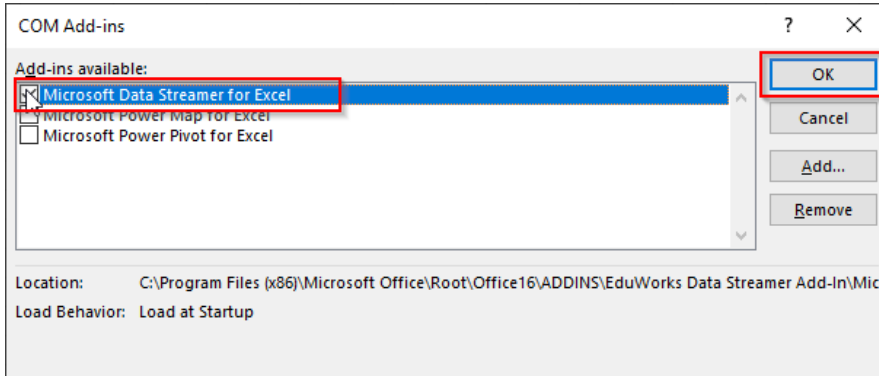
A. Click on "File" menu and select Options.



B. Select the "Add-ins", then Select the "COM Add-ins", then Press the "Go" button.

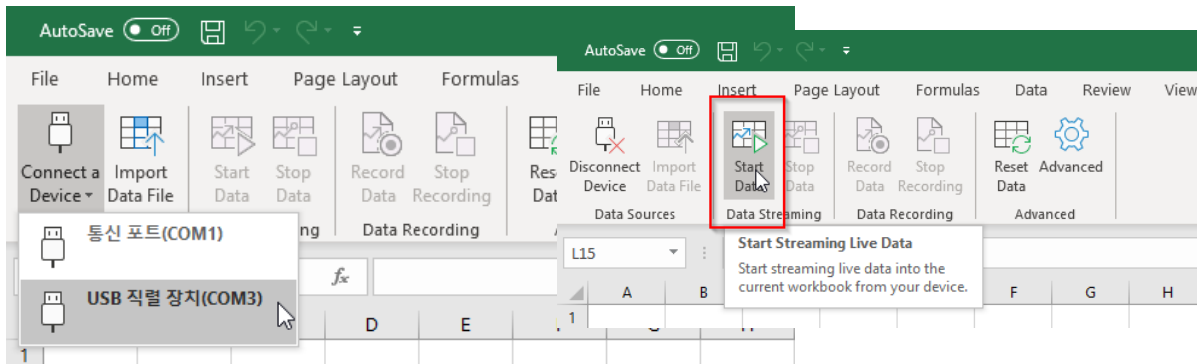


C. Check "Microsoft Data Streamer for Excel" item and click OK.

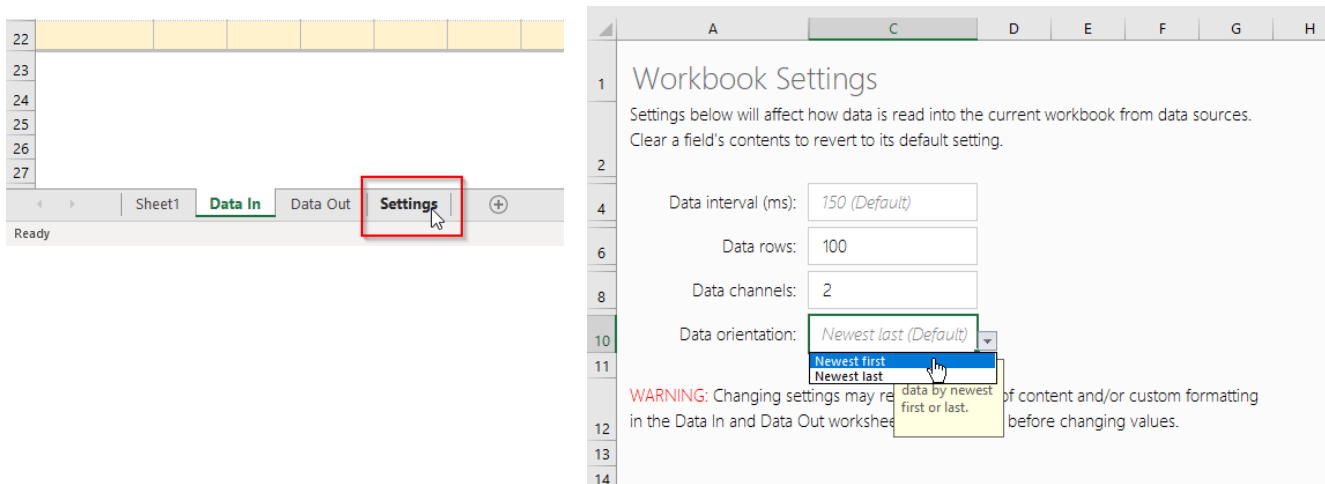


D. On your Excel application, a new column called "Data Streamer" will show up. Click on "Data Streamer" Menu

E. On the left side of the screen, click on "connect to device". Then click on "Start Data"



F. Go down on the screen and click on "settings" tab. Change to the following settings:



- G. Go down on the screen and click on "data in" tab to see torque data readings been loaded on the page. It should look like this:

A1		X		✓		fx		Data In (From Source)			
	A	B	C	D	E	F	G	H			
1	Data In (From Source)										
2	Data coming from the current data source will appear below as it is received.										
3	Current Data										
4	Time	CH1	CH2	CH3	CH4	CH5	CH6	CH7			
5	57:09.3	28.65	Kgf.cm								
6	Historical Data										
7	Time	CH1	CH2	CH3	CH4	CH5	CH6	CH7			
8	57:09.3	28.65	Kgf.cm	◀ Newest							
9	57:07.0	23.44	Kgf.cm								
10	57:04.8	27.29	Kgf.cm								
11	57:03.0	26.26	Kgf.cm								
12	57:01.0	31.57	Kgf.cm								
13	56:58.7	34.01	Kgf.cm								
14	56:56.5	38.05	Kgf.cm								
15	56:54.2	41.96	Kgf.cm								
16	56:51.7	40.73	Kgf.cm								
17	56:49.1	42.1	Kgf.cm								
18											

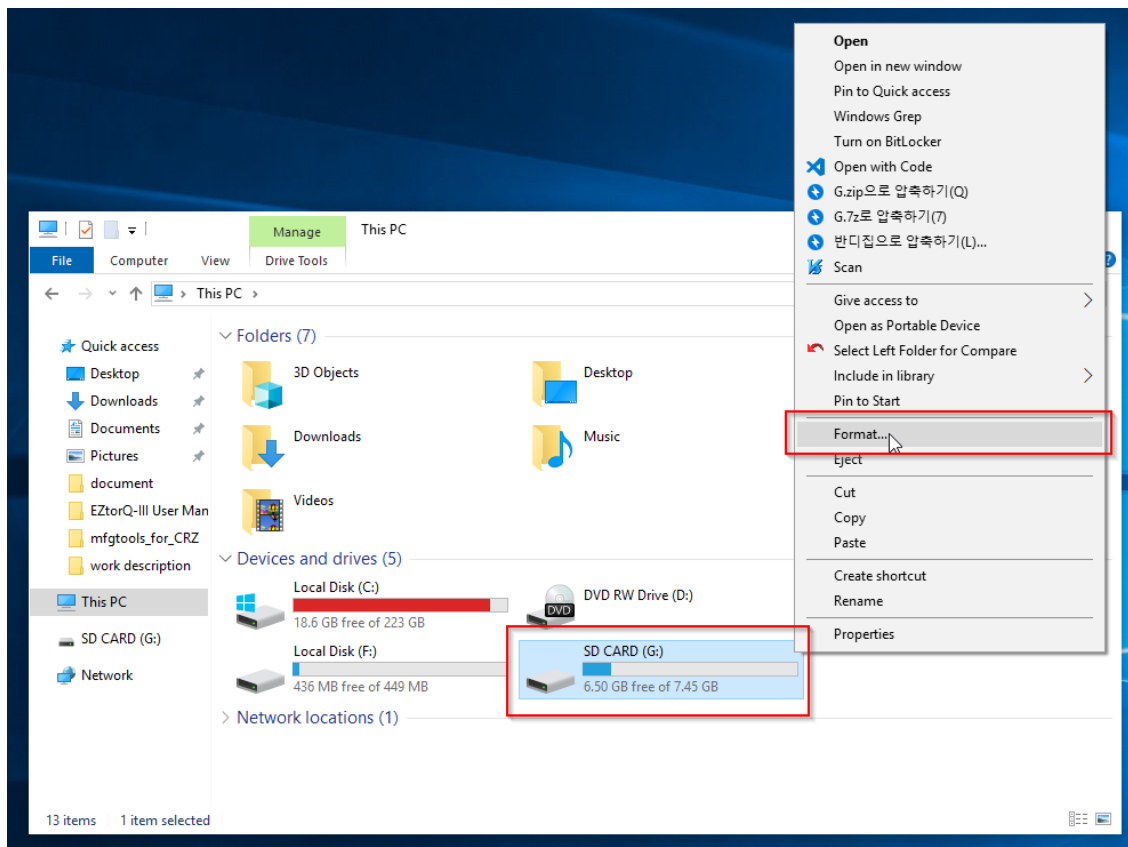
11. SD Memory Card Usage (SD card 存儲空間)

SD Memory Card can be formatted two ways: From PC or from EZtorQ-III Tester.

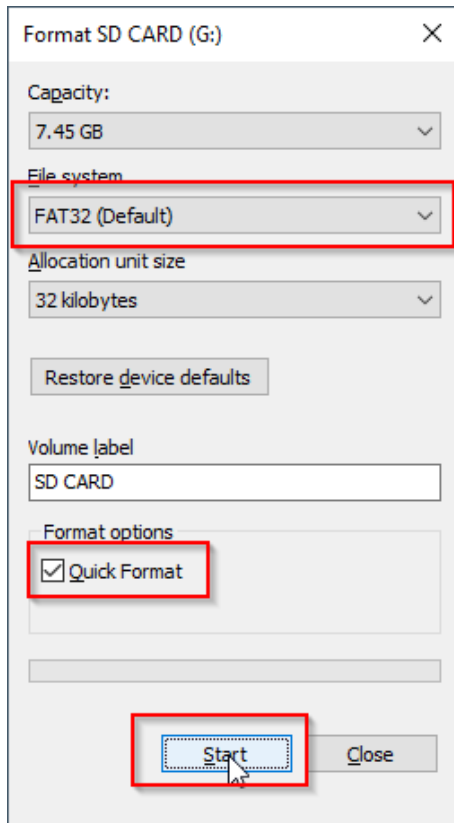
可以兩種方式格式化 SD 卡，從電腦或從 EZTORQE III

11.1. Formatting SD card on your PC (格式化 SD card 電腦上)

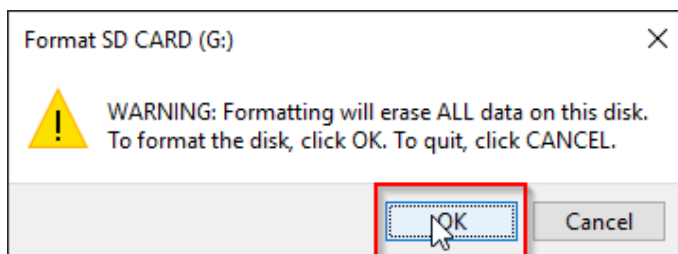
- Insert the SD card into your computer. (將SD卡插入電腦)
- Open windows explorer. (打開Windows資源管理器)
- Find the drive letter for your SD card.(找到SD卡的驅動器號)
- Right-click, and when the menu appears click Format. (右鍵單擊，然後在畫面出現時選擇格式)



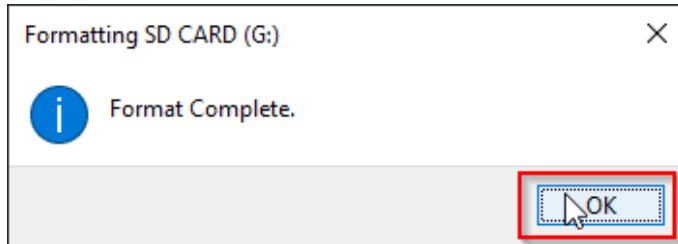
- E. In the Format window, file system should be set to FAT32.(文件系統應設置為FAT32)
- F. Check "Quick Format". (選快速格式化)
- G. Click Start. (選擇開始)



- H. When the warning appears, select OK. (在警告出現時, 請選擇 ok)

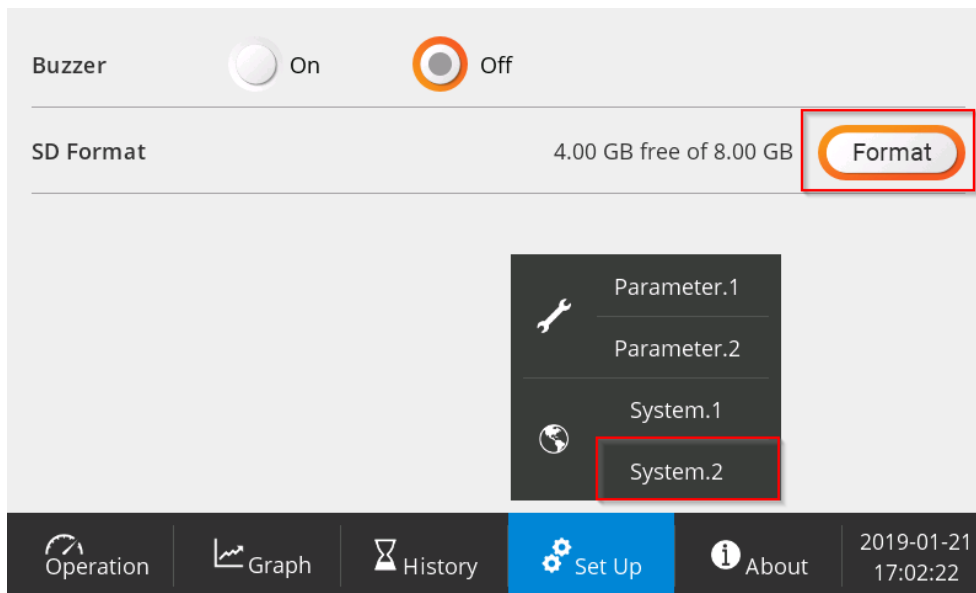


- I. Once the formatting is complete, you can close the window. (格式化完成後, 可以關閉窗口)
Now you can use the SD card in EZtorQ-III.

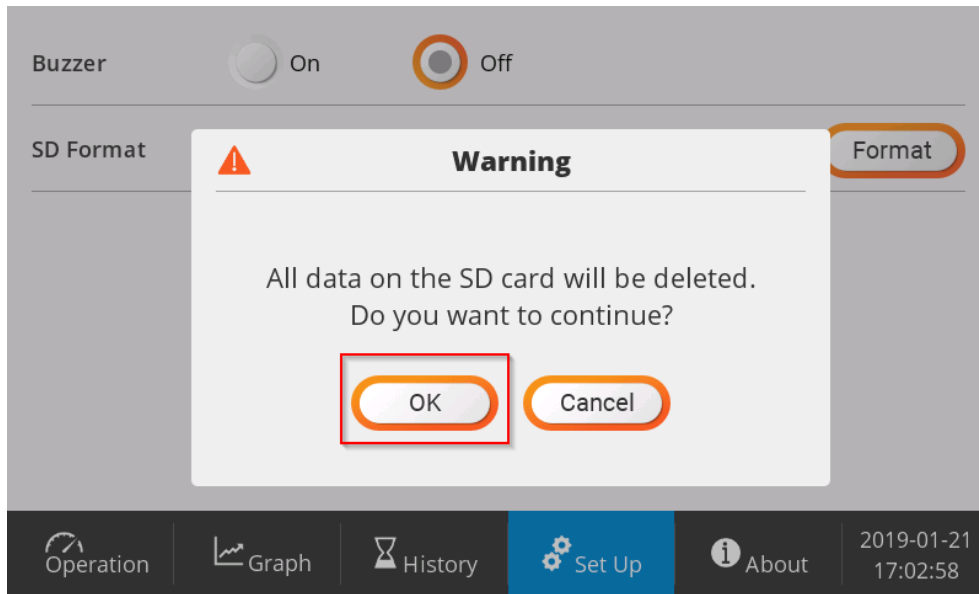


11.2. Formatting SD card on EZtorQ-III (格式化 SD card EZtorq-III 上)

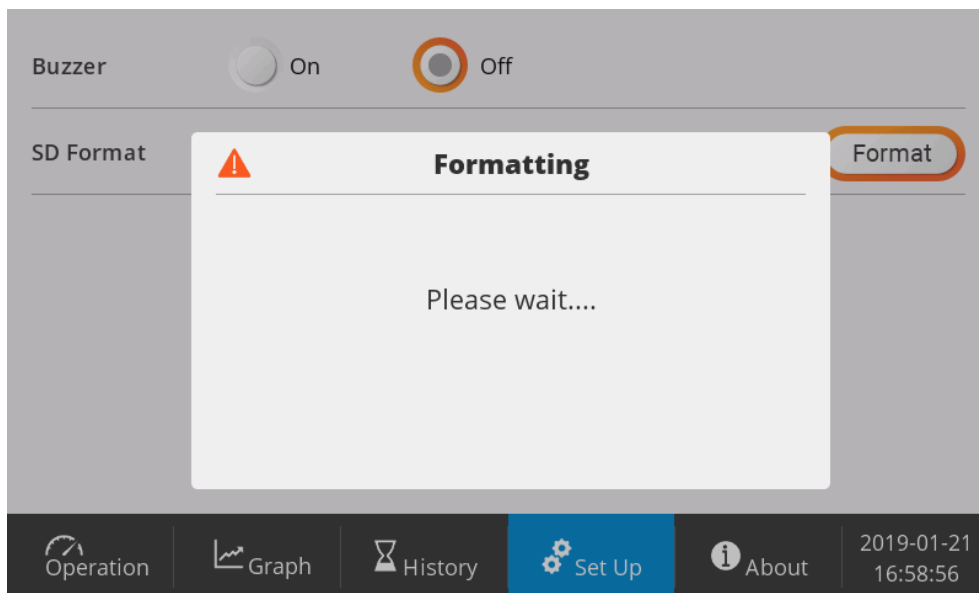
- A. Insert the SD Card into EZtorQ-III.(將SD卡插入 EZTORQ III)
- B. Go to [Set Up] → [System.2] screen. (選擇設置)
- C. Select the "Format" button.(選擇格式化鍵)



D. When the warning appears, select OK. (在警告出現時, 請選擇 ok)



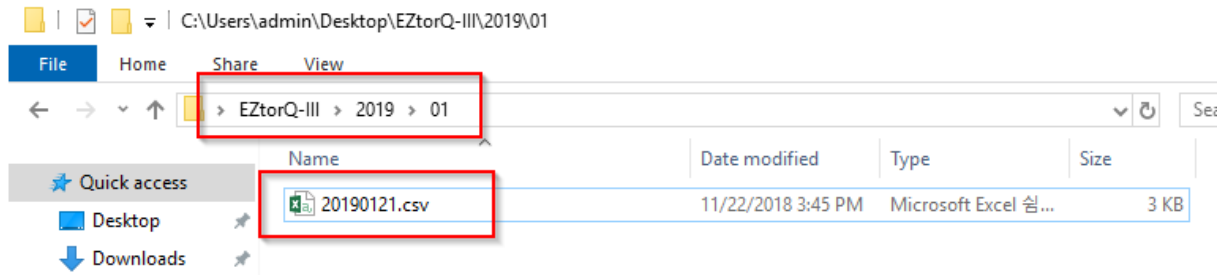
E. Please wait for the format to complete. (請等待格式化完成)



F. Now you can use the SD card in EZtorQ-III.

11.3. Reading SD Memory Card Data (讀取SD card 中的數據)

- Insert the SD Card into Your Computer. (將SD卡插入電腦)
- Open Windows Explorer.(打開Windows資源管理器)
- Enter the SD card drive.(進入SD卡)
- Folders are created in order of year→month.(按年→月的順序創建文件夾)
- The file is generated in yyyyymmdd.csv format. (y: year, m: month, d: day)(文件以yyyyymmdd.csv格式生成。 (y : 年 , m : 月 , d : 天))



- You can view the data using excel or a text editor. (您可以使用excel或文本編輯器查看數據)

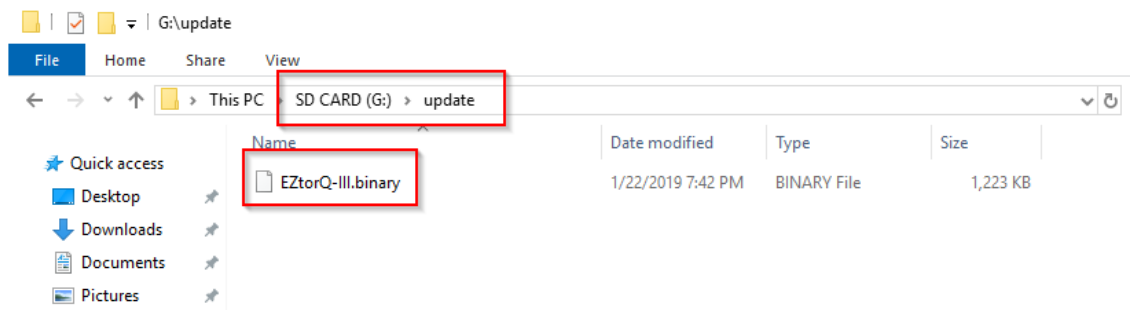
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Tool SN	No	Result	Time	Mode	Torque	Unit	Target	Tol(%)	Avg	Min	Max	Std.Dev	CM	CMK	
2	1707080075	1	OK	2019-01-24 10:36:58	Peak	27.18	Kgf.cm	25	10	27.18	27.18	27.18	0	0	0	
3	1707080075	2	OK	2019-01-24 10:37:00	Peak	25.52	Kgf.cm	25	10	26.35	25.52	27.18	0.83	1.01	0.46	
4	1707080075	3	OK	2019-01-24 10:37:02	Peak	24.15	Kgf.cm	25	10	25.61	24.15	27.18	1.24	0.67	0.51	
5	1707080075	4	OK	2019-01-24 10:37:04	Peak	24.36	Kgf.cm	25	10	25.3	24.15	27.18	1.2	0.69	0.61	
6	1707080075	5	OK	2019-01-24 10:37:06	Peak	25.7	Kgf.cm	25	10	25.38	24.15	27.18	1.09	0.77	0.65	
7	1707080075	6	OK	2019-01-24 10:37:08	Peak	24.59	Kgf.cm	25	10	25.25	24.15	27.18	1.03	0.81	0.73	
8	1707080075	7	OK	2019-01-24 10:37:10	Peak	25.9	Kgf.cm	25	10	25.34	24.15	27.18	0.98	0.85	0.73	
9	1707080075	8	OK	2019-01-24 10:37:12	Peak	24.72	Kgf.cm	25	10	25.26	24.15	27.18	0.94	0.88	0.79	
10	1707080075	9	OK	2019-01-24 10:37:14	Peak	24.88	Kgf.cm	25	10	25.22	24.15	27.18	0.9	0.93	0.85	
11	1707080075	10	OK	2019-01-24 10:37:15	Peak	24.58	Kgf.cm	25	10	25.16	24.15	27.18	0.87	0.95	0.89	
12																

1	Tool SN, No, Result, Time, Mode, Torque, Unit, Target, Tol (%) , Avg, Min, Max, Std.Dev, CM, CMK
2	1707080075, 1, OK, 2019-01-24 10:36:58, Peak, 27.18, Kgf.cm, 25.00, 10, 27.18, 27.18, 27.18, 0.00, 0.00, 0.00
3	1707080075, 2, OK, 2019-01-24 10:37:00, Peak, 25.52, Kgf.cm, 25.00, 10, 26.35, 25.52, 27.18, 0.83, 1.01, 0.46
4	1707080075, 3, OK, 2019-01-24 10:37:02, Peak, 24.15, Kgf.cm, 25.00, 10, 25.61, 24.15, 27.18, 1.24, 0.67, 0.51
5	1707080075, 4, OK, 2019-01-24 10:37:04, Peak, 24.36, Kgf.cm, 25.00, 10, 25.30, 24.15, 27.18, 1.20, 0.69, 0.61
6	1707080075, 5, OK, 2019-01-24 10:37:06, Peak, 25.70, Kgf.cm, 25.00, 10, 25.38, 24.15, 27.18, 1.09, 0.77, 0.65
7	1707080075, 6, OK, 2019-01-24 10:37:08, Peak, 24.59, Kgf.cm, 25.00, 10, 25.25, 24.15, 27.18, 1.03, 0.81, 0.73
8	1707080075, 7, OK, 2019-01-24 10:37:10, Peak, 25.90, Kgf.cm, 25.00, 10, 25.34, 24.15, 27.18, 0.98, 0.85, 0.73
9	1707080075, 8, OK, 2019-01-24 10:37:12, Peak, 24.72, Kgf.cm, 25.00, 10, 25.26, 24.15, 27.18, 0.94, 0.88, 0.79
10	1707080075, 9, OK, 2019-01-24 10:37:14, Peak, 24.88, Kgf.cm, 25.00, 10, 25.22, 24.15, 27.18, 0.90, 0.93, 0.85
11	1707080075, 10, OK, 2019-01-24 10:37:15, Peak, 24.58, Kgf.cm, 25.00, 10, 25.16, 24.15, 27.18, 0.87, 0.95, 0.89
12	

12. How to update EZtorQ-III Firmware (軟件更新)

- A. Insert the SD Card into your computer.(將SD卡插入電腦)
- B. Open windows explorer. (打開Windows資源管理器)
- C. Enter the SD card drive. (進入SD卡)
- D. Create an folder called "AAUpdate". This Folder must be at top of the list of Folders available on SD Card.(創建"更新"文件夾)
- E. Copy the firmware file to the update folder. (將軟件文件複製到更新文件夾)

NOTE: Firmware Update will be provided by Mountz Inc



- F. Insert the SD Card into EZtorQ-III.(將SD卡插入EZtorQ-III)
- G. When you turn on the power, the firmware upgrade will proceed automatically.(打開電源時，軟件升級將自動進行)
- H. When the update is complete, it will boot automatically.(更新完成後，它將自動啟動)

!! Note)

- There should be only one firmware file in the update folder.
- When the update is complete, delete the update folder from the SD card.

13. Calibration and Repairs (校准和維修)

Mountz Inc. features an experienced calibration and repair staff. Our trained technicians can calibrate and repair most any tool. Mountz provides rapid service with quality that you can trust as we offer two state-of-the-art calibration lab and repair facilities that can calibrate up to 20,000 lbf.ft. Since 1965, Mountz Inc. has proven in-depth knowledge of torque is reflected in our tool's craftsmanship and our ability to provide solutions to both common and uncommon torque applications.

We perform calibrations in accordance with ANSI/NCSL-Z540. Mountz is dedicated solely to the manufacturing, marketing and servicing of high quality torque tools.

Tool Service & Repair Capability Torque Wrenches:

- Click, Dial, Beam, Cam-Over & Break-Over Torque Screwdrivers
- Dial, Micrometer, Preset & Adjustable Torque Analyzers/Sensors
- Electric Screwdrivers: All brands
- Air Tools: All brands
- Impact Wrenches, Drills, Pulse Tools, Grinders, Percussive Tools, Air Screwdrivers, Nutrunners, DC Controlled Nutrunners: All brands
- Torque Multipliers: All brands



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San Jose, CA 95112
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Fax: (408) 292-2733

www.mountztorque.com
sales@mountztorque.com
Download a "Service Form" and include a copy
when you send the tools in to be serviced.

