

數位扭力扳手 *Digital Torque Wrench*



- LCD背光顯示
- 順時針及逆時針皆可操作
- 峰值保持(K) 與 扭力追隨(F)模式 (可訂製特殊K模式)
- 四種扭力單位，可供選擇切換:N-m, kgf-cm, lbf-in, lbf-ft
WM-SD系列為三種扭力單位:cN-m, kgf-cm, in-lb
- 蜂鳴聲、LED燈警示(到達預設扭力值80%時)
- 震動警示(到達預設扭力值90%時)
- 省電模式：2分鐘自動關機 (可訂製不開機模式)
- 記錄使用次數、歷史最大扭力
- 電池款:一般型:AA電池*2
 迷你型:AAA電池*2
- 充電款:Type-C充電線
- 藍牙款:透過藍牙連線手機，隨時查詢歷史扭力紀錄(最多可瀏覽1000筆)
可透過Type-C將歷史扭力紀錄傳輸到電腦，以利品質控管
- LCD backlight display
- Both operator for cw, ccw
- Two modes : F(Track) / K(Peak)
- 4 units change: N-m, kgf-cm, lbf-in, lbf-ft
The WM-SD series offers 3 available torque units: cN-m, kgf-cm, and in-lb
- Warning function : Beep, LED indicator
(When reach the torque setting value 80%)
- Vibration function : When reach the torque setting value 90%
- Automatically powers off when not in use for 2 minutes
(The non-shutdown mode can be customized)
- Recording usage frequency and the historical maximum torque
- Battery Type: Standard Type: AA x 2 batteries
 Mini Type: AAA x 2 batteries
- Recharge Type: Type-C cable
- Bluetooth Type: Access historical data at any time through Bluetooth connection to the mobile phone.(View up to 1000 records)
connect via Type-C to save data on the computer



BT-APP



影片-藍牙款
Video-BT



電腦軟體-藍牙款
Software-BT



影片-標準款
Video

充電款技術規格 / Rechargeable Battery Technical Data (Battery : Standard 16650/ Mini 10440)			
電池壽命：充滿電操作時間 Battery life (fully charged used time)	8~10 hrs	充電輸入電壓 Charging Input Voltage	5V=1A
標稱電壓 Nominal Voltage	3.7V	內阻 Internal Resistance	< 60mΩ
充電時間 Recharge Time	Standard 90-120 mins / Mini 60-90 mins		
使用環境 (溫度) Storage conditions (Temperature)	Recharge : 10°C ~ 45°C Discharge : -10°C ~ 60°C Storage : -20°C ~ 25°C (< 1 year) -20°C ~ 40°C (< 3 months) -20°C ~ 50°C (< 1 month)		
使用環境 (濕度) Storage conditions (Humidity)	Work : 20% ~ 85%RH (not condensed) Storage : 40% ~ 85%RH (not condensed)		
標稱容量 Nominal Capacity	Standard 1600mAh / Mini 640mAh		
壽命測試 Lifetime Testing	電池標準充放電300次循環後高於容量80% Capacity remains above 80% after 300 standard charge-discharge cycles.		
內建雙重保護IC電路 Built-in Dual Protection IC Circuit	提供過壓充電、過壓放電、過流充電、過熱過載、 短路等保護 Provides protection against over-voltage charging, over-voltage discharging, over-current charging, overheating, overload, and short circuits.		

電池款技術規格 / Dry Cell Technical Data			
電池壽命：持續操作 Battery Life (continuous operation)	110 hrs (WS: 37 hrs)	操作溫度 Operating temperature	-10°C ~ 60°C
電池壽命：待機模式 Battery Life (Standard Mode)	1 year	儲存溫度 Storage temperature	-20°C ~ 70°C
濕度 Humidity	無凝露可到90% Up to 90% (not condensed)		
共用規格 / Common Specification			
預設值儲存組數 No. of memory parameters	30		
LED警示燈	2(1Green + 1Red)		
震動警示 Vibration Warning	YES(到達預設扭力90%·震動警示啟動) (Activate when set value reaches 90%)		
操作模式 Operating modes	峰值保持(K) / 追隨模式(F) / 角度模式(A) Peak hold (K) / Track (F) / Angle (A)		
單位選擇 Torque Units	Nm, kg-cm, lb-ft, lb-in (WM-SD series: cNm, kg-cm, lb-in)		
掉落測試 Drop test	1m		
振動測試 Shaking test	10G(10Hz→55Hz→10Hz/0.8mm)		
耐用度 Durability	Over 10000 cycles		
環境測試 Environmental test	PASS	電磁相容測試 EMC test	PASS

WM-Q(-BT)



棘輪切換
Reversible ratchet



棘輪方頭
Square head



快速脫離
Quick release

WM-I(-BT)



棘輪切換
Reversible ratchet



棘輪方頭/插槽
Square head / Insert



快速脫離
Quick release

WM-SD(-BT)



強磁吸附
Magnetic adsorption



Bit 六角插槽
Bit Insert(Hex)



前拉脫離
Front pull out

WM-B(-BT)



棘輪切換
Reversible ratchet



Bit 六角插槽
Bit Insert(Hex)



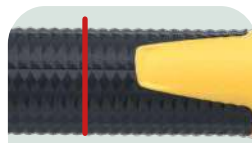
夾持設計
Clamping Mechanism



藍牙充電款：①電源重置
②USB插頭 (Type C)
Bluetooth Type：①Reset
②USB insert (Type C)



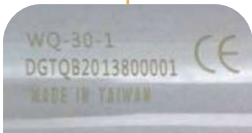
震動警示功能
Vibration function



校正定位點
Calibration point



防油防滑設計握柄(專利)
Non-slip grip handle (patent)



單支出廠序號查詢
Unique code for each wrench



簡易操作
Use friendly



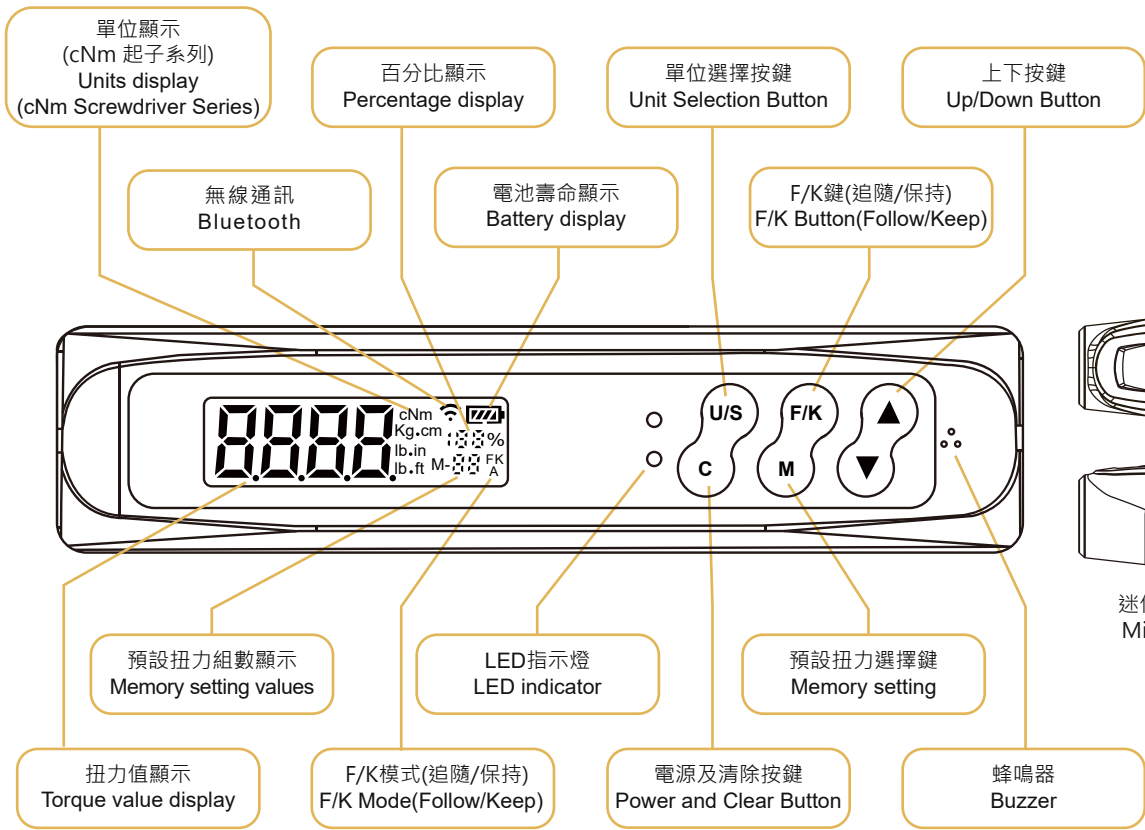
LED提醒/蜂鳴警示
LEDs (Green/Red)/Buzzer



電池款-使用AAA*2電池
藍牙款-使用10440電池
Battery Type-AAA*2 batteries
Bluetooth Type-10440 battery

藍牙充電款：內建電芯保護特規電池，請勿自行更換市售充電電池
Bluetooth Type：Built-in battery with special specifications for cell protection, please do not replace it with commercially available rechargeable batteries.





迷你型控制按鈕及顯示面板
Mini control buttons and display panel



棘輪方頭
Drive

WM-Q



WM-Q(-BT)



藍牙功能
Bluetooth features



扳手內建記憶體，
可將扳手歷史數據
連線手機進行輸出

The wrench has
built-in memory,
allowing it to connect
to a mobile phone to
output historical data.

■ 配件：收納用鐵製工具箱x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, 藍牙-充電款: Type-C 充電線
電池款: AAA電池x2, 迷你螺絲起子(更換電池用)x1,

■ Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1,
Bluetooth Type: Type-C cable, Battery Type: Mini screwdriver(replace the battery) x1

SPECIFICATIONS:

※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.		精度 Accuracy	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length(mm)	扳手重量 Weight(g)
電池款 Battery Type	藍牙-充電款 Bluetooth Type								
WM-Q06-1	WM-Q06-1-BT	CW:±3% CCW:±4%	1/4"	72	0.3~6 Nm	0.9~6 Nm	0.01 Nm	244	210
WM-Q15-1	WM-Q15-1-BT				0.75~15 Nm	2.25~15 Nm			
WM-Q25-1	WM-Q25-1-BT				1.25~25 Nm	3.75~25 Nm			

註：精度的扭力範圍在最大操作值的20%~100%

Notes: Accuracy guaranteed at 20% to 100% of full scale.