

ASMITH Digital Torque Wrench

Produsent av mekaniske momentnøkler og skrutrekkere av høy kvalitet og nøyaktighet med digital avlesning. Avgir både lys- og lydsignal, og finnes også i Bluetooth- og WiFi-versjoner. Momentområder fra 0,1 til 1000 Nm. Øvrige produkter: digitale momentadaptere, kalibreringsutstyr og momenttestere.

Certification & Patent

Asmith digital torque wrench has 36 countries patent, example: SGS's CE certification provide high quality product.



Taiwan patent



Mainland China patent



EU patent



SGS
SGS certification



TAF calibration certificate



Taiwan Excellence Award

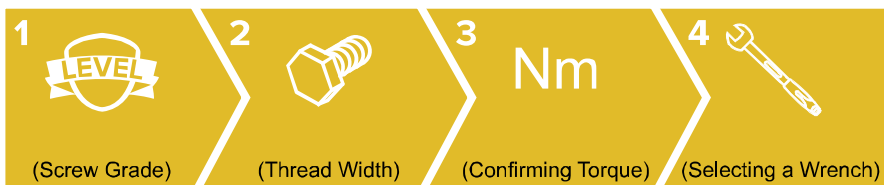


CONTENT

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(4 Steps To Choose A Wrench)

If the torque is known, you can proceed directly to Step 4: Selecting a Wrench(refer to p.3)



1

Screw Grade

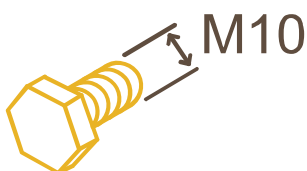
For stainless steel screws, they belong to the standard grade "T"

Screws and applicable T series				
Illustrate Level classification	Standard T series	0.5 T series	1.8 T series	2.4 T series
Screws (Strength) (Material)	4.6~6.6 SS SC	- CR (Brass) CB (Copper) AB (Aluminum)	8.8~12.9 SCr SNC SCM	10.9~12.9 SCr SNC SCM SNCM
(Applicable products)	Ordinary products	Electronic products	Vehicles. Engines	Construction products

2

Thread Width

If the width is 10mm, it is designated as M10



3

Confirming Torque

M10 + T grade corresponds to 24.5 Nm

/ Torque Unit Conversion Table					
/ Unit	lbf-in	lbf-ft	kgf-cm	cN-m	N-m
1 lbf - in	1	0.083	1.152	11.3	0.113
1 lbf - ft	12	1	13.83	135.6	1.356
1 kgf - cm	0.868	0.072	1	9.807	0.098
1 cN - m	0.088	0.007	0.102	1	0.01
1 N - m	8.851	0.738	10.2	100	1

Screw torque value comparison
Standard tightening torque

Unit: Nm

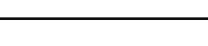
Nominal Size of Screw	T	0.5T	1.8T	2.4T
M1	0.0195	0.0098	0.035	0.047
(M1.1)	0.027	0.0135	0.049	0.065
M1.2	0.037	0.0185	0.066	0.088
(M1.4)	0.058	0.029	0.104	0.14
M1.6	0.086	0.043	0.156	0.205
(M1.8)	0.128	0.064	0.23	0.305
M2	0.176	0.088	0.315	0.42
(M2.2)	0.23	0.116	0.41	0.55
M2.5	0.36	0.18	0.65	0.86
M3	0.63	0.315	1.14	1.5
(M3.5)	1	0.5	1.8	2.4
M4	1.5	0.76	2.7	3.6
(M4.5)	2.15	1.08	3.9	5.2
M5	3	1.5	5.4	7.2
M6	5.2	2.6	9.2	12.2
(M7)	8.4	4.2	15	20
M8	12.5	6.2	22	29.5
M10	24.5	12.5	44	59
M12	42	21	76	100
M14	68	34	122	166
M16	106	53	190	255
(M18)	146	73	270	350
M20	204	102	370	490
(M22)	282	140	500	670
M24	360	180	650	860
(M27)	520	260	940	1240
M30	700	350	1260	1700
(M33)	960	480	1750	2300
M36	1240	620	2250	3000
(M39)	1600	800	2900	3800
M42	2000	1000	3600	4800
(M45)	2500	1260	4500	6000

Standard axial stress 210 N/mm² stress area of bolt(JIS 1082)

Note: This is not converted from standard tightening torque kgf.cm

Selecting a Wrench

Determine the appropriate wrench series through tool accessories

Screw head / Tool	Wrench	Torque Range	Wrench series	Wrench Function	p.
 + 		5~220 Nm	WA-E	Electric, Digital, BlueTooth , WiFi, Angle	07
		15~100 Nm	WD-Q	Mechanical, Electronic, BlueTooth	12
		0.9~25 Nm	WM-Q	Digital, BlueTooth	20
		4.5~1000 Nm	WQ	Digital, BlueTooth	21~22
		4.5~1000 Nm	WA	Digital, Angle	23
		9~340 Nm	WS	Digital, Verification	31
		20~340 Nm	WS-A	Digital, Verification, Angle	32
 + 		5~200 Nm	WD-I	Mechanical, Electronic, BlueTooth	13
		0.9~25 Nm	WM-I	Digital, BlueTooth	24
		4.5~400 Nm	WI	Digital, BlueTooth	25~26
 + 		0.1~4 Nm	WM-SD	Screwdriver, Digital, BlueTooth	28
		0.9~25 Nm	WM-B	Digital, BlueTooth	29



Power Speed Digital Torque Wrench (BT & WiFi)

- Dual Mode: Both Power and Manual modes are built into a single ratchet, allowing screws to be quickly locked and saving time
- Power Gear rotation speed: 150–260 RPM, with a torque of approximately 1 Nm
- Connects via Bluetooth to devices, enabling the browsing of historical records at any time
- Can connect to a computer via WiFi and control multiple wrenches through custom-developed software
- Equipped with four different warning LED indicators
- Removable lithium battery enables rapid charging, allowing a quick charge to reach over 80% in 60 minutes for a 2800 mAh battery
- Stores up to 50 memory setting values
- Can store up to 5000 torque history records for specific QC analysis
- Set target value tolerance according to your preferences, making it more convenient to adhere to standardized tolerance ranges



APP



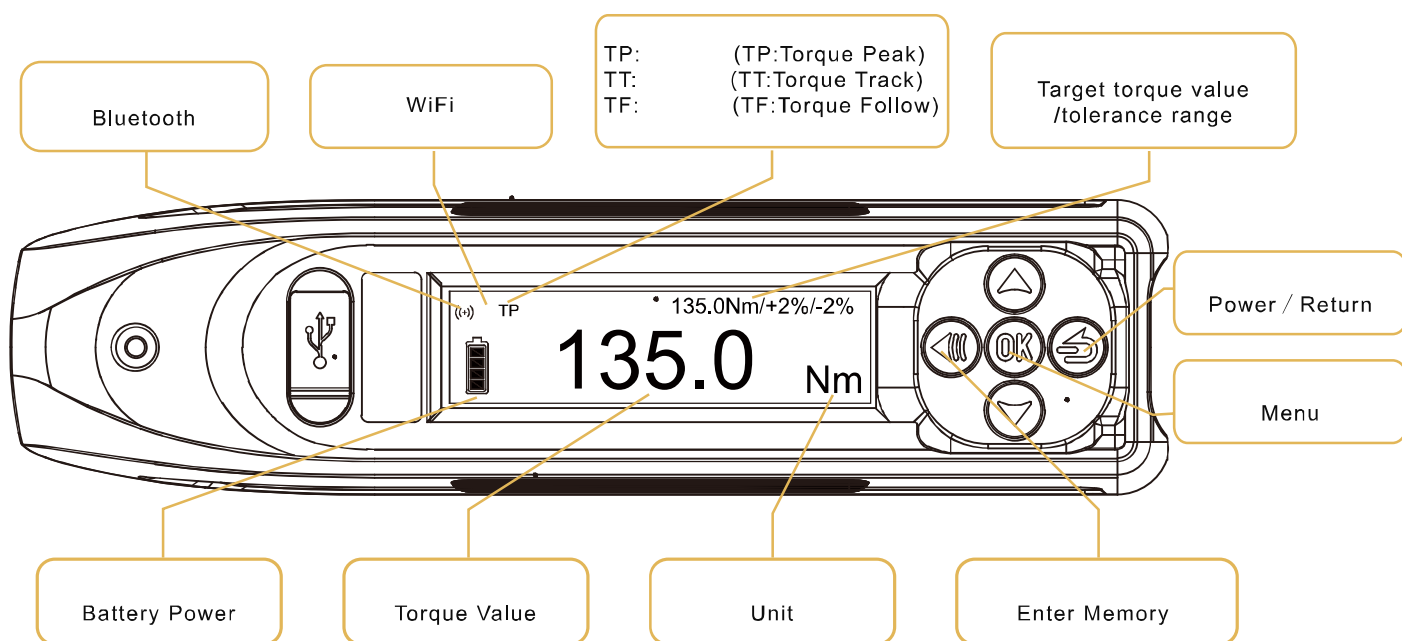
Software

/ Product Specifications	
Memory Capacity	5000 sets
Torque Units	Nm, kg.m, ft-lb, in-lb
Dust Protection Rating	IP5X
Operating Temperature	-20°C ~ 60°C
Operating Humidity	Below 90% (Optimal Below 65%)
Storage Temperature	< 35°C (Optimal 23°C) < 35°C (Optimal 23°C)
Drop Test	1m
Shaking Test	100Hz & 500Hz & 2000Hz
Salt Spray Test	48hrs
Battery Charging Cycle	Up to 600 times
Battery Capacity	2800 mAh

WA-E (BW)

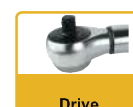
Power Speed Digital Torque Wrench





WA-E (BW)**Power Speed Digital Torque Wrench**

WA-E135-2-BW



- Electric Ratchet Square Head : Power Gear rotation 150~260RPM, and torque is about 1 Nm
- Angle Measurement Function: Enables measurement of rotation angles in the absence of external force
- WiFi Function - One-to-Many: Features self-developed communication software that connects via WiFi, allowing commands to be sent to multiple wrenches for efficient control and management
- Content : Blow Mold Case x1, Factory calibration report (compliant with ISO quality certification standards) x1, User guide x1, charging cradle x1, power adapter x1, lithium battery x1, Magnetic insert x1

Bluetooth features



SPECIFICATIONS:

※Unit Conversion : 1 Nm = 10.2kgf-cm = 0.102 kgf-m = 0.738 lbf-ft = 8.851 lbf-in

Item No.	Accuracy	Drive	Ratchet Teeth	Setting Range	Resolution	Length (mm)	Weight (g)
WA-E50-2-BW	CW:±2% CCW:±3%	3/8"	60	5-50 Nm / 1°~999°	0.01 Nm / 0.1°	410	890
WA-E135-2-BW				13.5~135 Nm / 1°~999°	0.1 Nm / 0.1°	450	1014
WA-E220-3-BW		1/2"		22-220 Nm / 1°~999°		530	1190

(Micro USB)

The new Bluetooth design enables a seamless connection to your smartphone, allowing you to monitor torque values in real time and effortlessly record each operation. You can also save data to your computer via a Micro USB connection.

Notes: Accuracy guaranteed at 10% to 100% of full scale.



Mechanical Torque Wrench (BT)

- The integration of machinery, digital technology, and Bluetooth achieves accuracy, speed, and data-driven performance
- After reaching the preset value, the structure features a large buffer space and a distinct mechanical clicking sound, which effectively prevents applying force too quickly, ensuring that the screw does not exceed the preset torque value
- Torque can be easily set using the knob, with no need for zeroing after use, ensuring no impact on lifespan
- The app supports cycle counting. Once connected, it can record historical data (stored within the app on this device)
- Users can develop their own software to connect to the wrench and access the usage process (free protocol available for download)
- After 5,000 uses and calibration, the tool maintained stable accuracy even after 10 consecutive recalibrations
- Four unit options: Nm, ft-lb, in-lb, kgf-m
- A reminder is provided when 5000 usage cycles are reached
- LCD numerical display



APP



Video

/ Product Specifications	
IP Rating	IPX1
Dust Protection Rating	IP5X
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-10°C ~ 50°C
Torque Units	Nm, kg.m, ft-lb, lb-in
Drop Test	1m
Shaking Test	100Hz & 500Hz
Salt Spray Test	48hrs
Corrosion Resistance Test	PASS
Acid-Alkaline Resistance Test	PASS
Durability Test	After 10 calibrations, the functionality remains without any abnormalities.

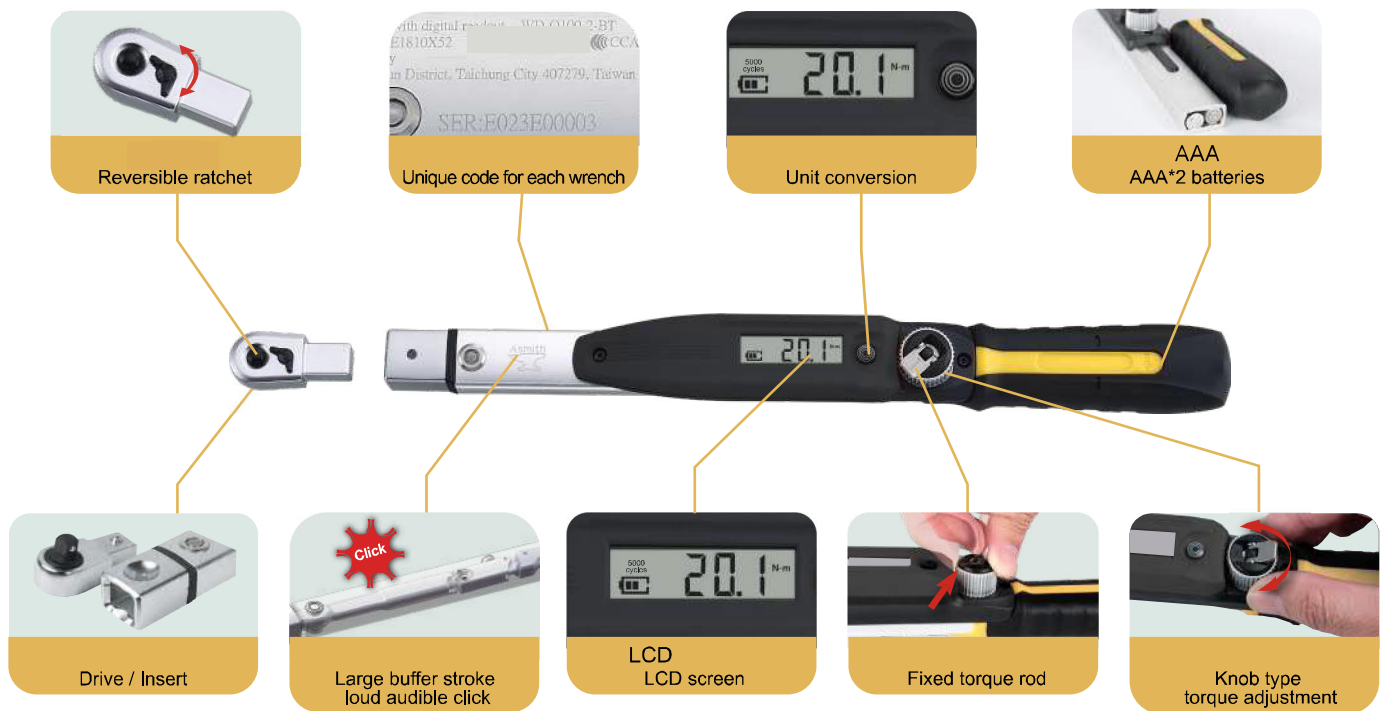
WD (-BT)

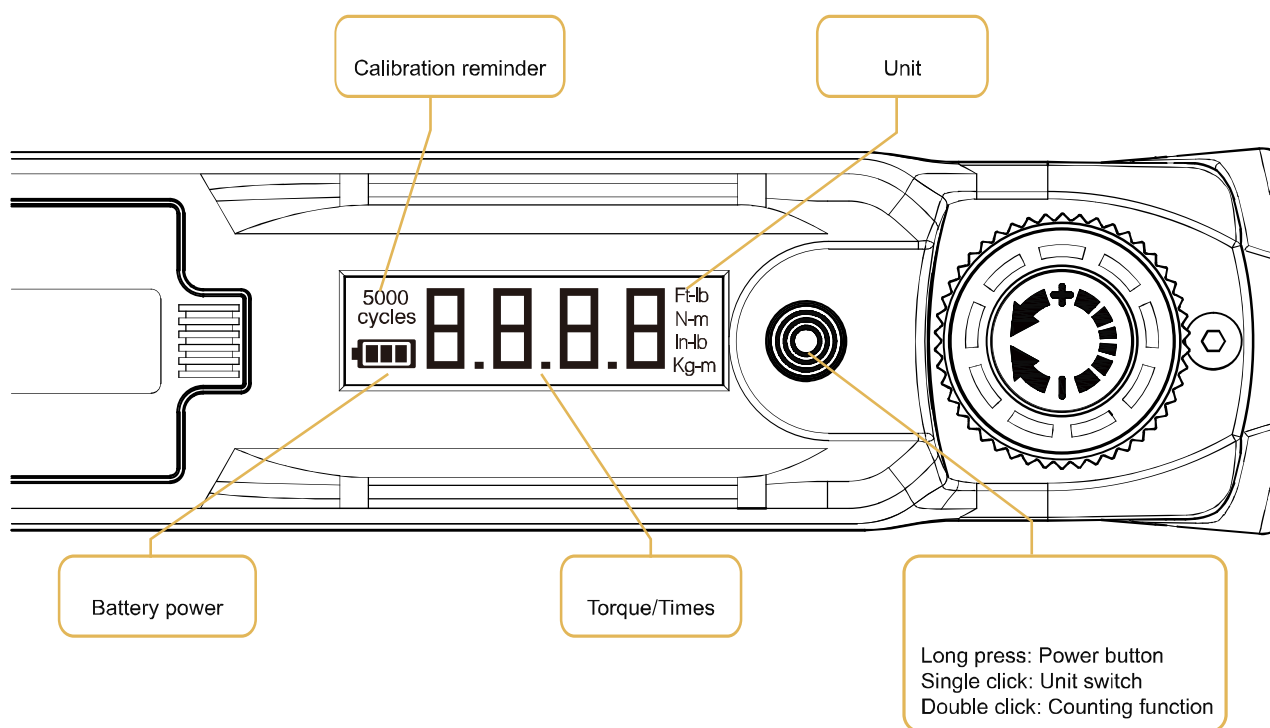
Function Description



WD (-BT)

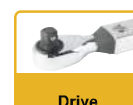
Function Description





WD-Q (-BT)

() **BT-Mechanical Torque Wrench**



Drive

WD-Q100-2-BT



Bluetooth features



Content : Plastic storage box x1, Factory calibration report (compliant with ISO quality certification standards) x1

SPECIFICATIONS:

※Unit Conversion : 1 Nm = 0.102 kgf-m = 0.738 lbf-ft = 8.851 lbf-in

Item No.	Accuracy	Drive	Ratchet Teeth	Setting Range	Resolution	Length (mm)	Weight (g)	Remark
WD-Q100-2-BT	≥20Nm:±3% <20Nm:±4%	3/8"	72	15~100 Nm	0.2 Nm	485	1040	Unidirectional

1. APP for cycle counting.
2. Once connected, the app can record historical data (Data is stored within the app on this device).

WD-I (-BT) Series

() BT-Mechanical Interchangeable Torque Wrench



Extra purchase accessories
Please refer to P.27



Drive / Insert



Content : Plastic storage box x1, Factory calibration report (compliant with ISO quality certification standards) x1

SPECIFICATIONS:

※Unit Conversion : 1 Nm = 0.102 kgf-m = 0.738 lbf-ft = 8.851 lbf-in

Item No.	(CW) Accuracy	Insert	Drive	Ratchet Teeth	Setting Range	Resolution	Length (mm)	Weight (g)	Remark
WD-I30-1-BT	≥15Nm: 3% <15Nm: ±4%	9x12mm	1/4"	72	5~30 Nm	0.1 Nm	361	510	Bidirectional
WD-I100-2-BT	≥20Nm: ±3% <20Nm: ±4%	14x18mm	3/8"		15~100 Nm	0.2 Nm	483	1140	Bidirectional
WD-I200-3-BT	≥40Nm: ±3% <40Nm: ±4%		1/2"		30~200 Nm	0.5 Nm	585	1510	Bidirectional

Bluetooth features



1. APP for cycle counting.
2. Once connected, the app can record historical data (Data is stored within the app on this device).

Digital Torque Wrench



- 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



Video-BT



Software-BT



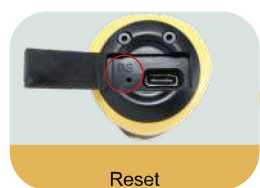
Video

/Rechargeable Battery Technical Data (Battery : Standard 16650/ Mini 10440)				/ Dry Cell Technical Data			
Battery life(fully charged used time)	8~10 hrs	Charging Input Voltage	5V=1A	Battery Llife(continuous operation)	110 hrs (WS: 37 hrs)	Operating temperature	-10℃~ 60℃
Nominal Voltage	3.7V	Internal Resistance	< 60mΩ	Battery Llife (Standard Mode)	1 year	Storage temperature	-20℃~70℃
Recharge Time	Standard 90-120 mins / Mini 60-90 mins			Humidity	Up to 90% (not condensed)		
Storage conditions (Temperature)	Recharge : 10℃~ 45℃ Discharge : -10℃ ~ 60℃ Storage : -20℃ ~ 25℃ (< 1 year) -20℃ ~ 40℃ (< 3 months) -20℃ ~ 50℃ (< 1 month)			/ Common Specification			
				No. of memory parameters	30		
				LED	2(1Green + 1Red)		
				Vibration Warning	(Activate when set value reaches 90%)		
Storage conditions (Humidity)	Work : 20% ~ 85%RH (not condensed) Storage : 40% ~ 85%RH (not condensed)			Operating modes	Peak hold (K) / Track (F) / Angle (A)		
Nominal Capacity	Standard 1600mAh / Mini 640mAh			Torque Units	Nm, kg-cm, lb-ft, lb-in (WM-SD series: cNm, kg-cm, lb-in)		
Lifetime Testing	Capacity remains above 80% after 300 standard charge-discharge cycles.			Drop test	1m		
Built-in Dual Protection IC Circuit	Provides protection against over-voltage charging, over-voltage discharging, over-current charging, overheating, overload, and short circuits.			Shaking test	10G(10Hz→55Hz→10Hz/0.8mm)		
				Durability	Over 10000 cycles		
				Environmental test	PASS	EMC test	PASS

W Series

Function Description

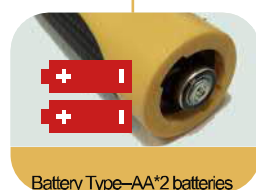




USB (Type C)
Bluetooth Type-16650 battery
USB insert(Type C)



Bluetooth Type : Built-in battery with special specifications for cell protection, please do not replace it with commercially available rechargeable batteries.



Battery Type-AA*2 batteries

WM-Q(-BT)



Reversible ratchet



Square head



Quick release

WM-I(-BT)



Reversible ratchet



Square head / Insert



Quick release

WM-SD(-BT)



Magnetic adsorption



Bit
Bit Insert(Hex)



Front pull out

WM-B(-BT)



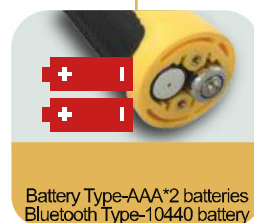
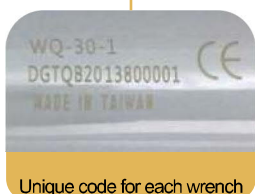
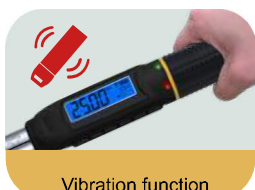
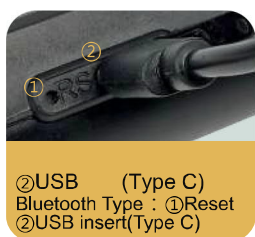
Reversible ratchet



Bit
Bit Insert(Hex)

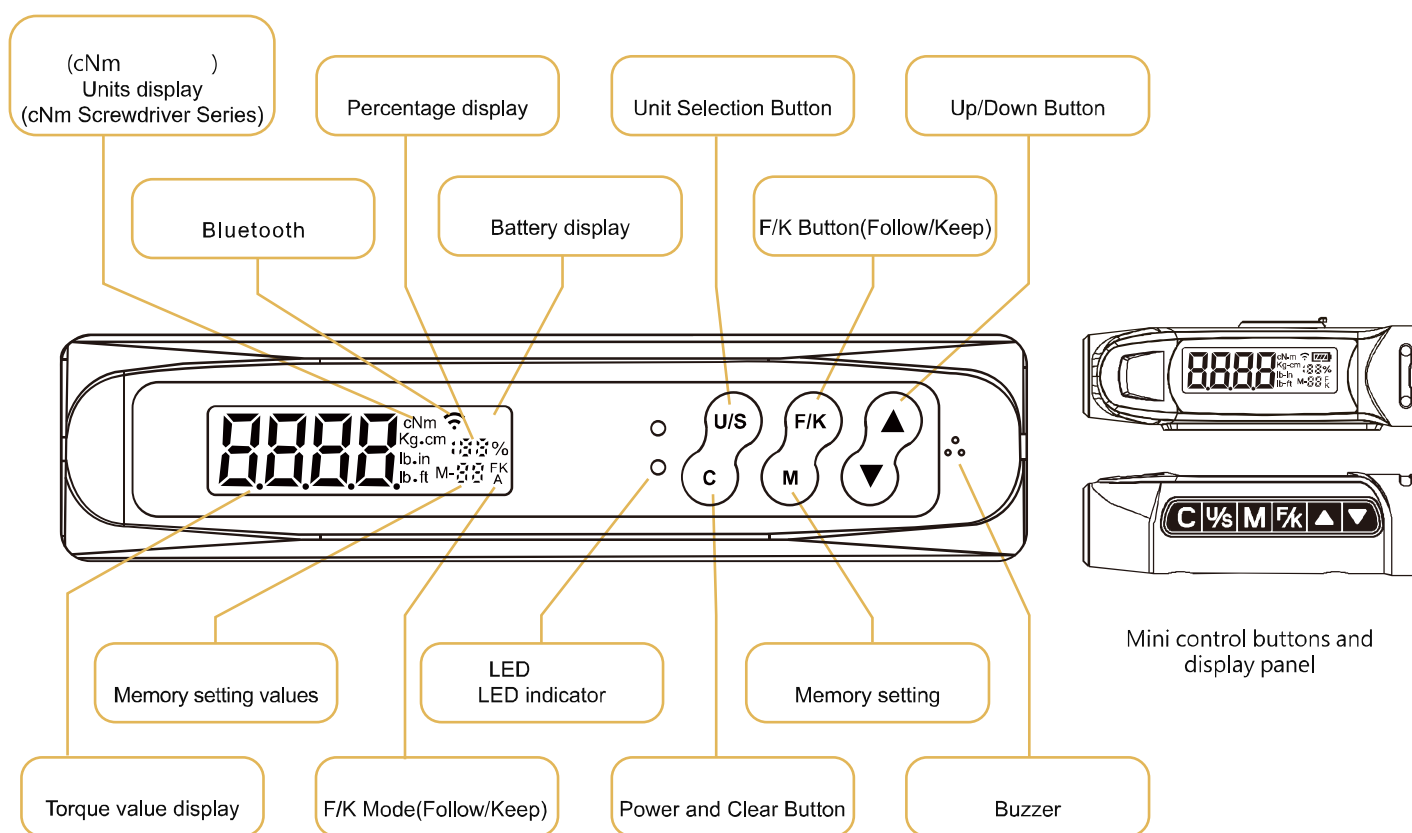


Clamping Mechanism



Bluetooth Type : Built-in battery with special specifications for cell protection, please do not replace it with commercially available rechargeable batteries.





WM-Q(-BT) Series

Mini Digital Torque Wrench

WM-Q



WM-Q(-BT)



Drive

Bluetooth features



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

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

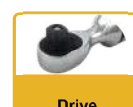
SPECIFICATIONS:

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

Item No.		Accuracy	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(g)
Battery Type	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			

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

ASMITH

WQ Series**Digital Torque Wrench**

WQ-200-3



Content : Storage steel box x1, Certificate of calibration report x1, User guide(Bilingual) x1

SPECIFICATIONS:

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

Item No.									
Battery Type	Accuracy	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(±50g)	
WQ-30-1	CW:±1.5% CCW:±2.5%	1/4"	72	1.5~30 Nm	4.5~30 Nm	0.01 Nm	410	720	
WQ-30-2		3/8"							
WQ-60-2						3~60 Nm	9~60 Nm		
WQ-135-2		6.8~135 Nm		20~135 Nm	0.1 Nm	434	890		
WQ-135-3			454			1080			
WQ-200-3		1/2"		10~200 Nm		30~200 Nm	565	1300	
WQ-340-3							17~340 Nm	50~340 Nm	666
WQ-600-4		3/4"	24		30~600 Nm	90~600 Nm	940	3800	
WQ-800-4					40~800 Nm	120~800 Nm	1 Nm	1235	4800
WQ-1000-4					50~1000 Nm	150~1000 Nm			

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

WQ-BT Series

() -

BT-Digital Torque Wrench

WQ-60-2-BT

**Drive**

Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Type-C cable

SPECIFICATIONS:

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

Item No.								
Bluetooth Type	Accuracy	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(±50g)
WQ-30-1-BT	CW:±1.5% CCW:±2.5%	1/4"	72	1.5~30 Nm	4.5~30 Nm	0.01 Nm	394	770
WQ-30-2-BT		3/8"		3~60 Nm	9~60 Nm	0.01 Nm		795
WQ-60-2-BT							0.1 Nm	418
WQ-135-2-BT		438		1114				
WQ-135-3-BT		549	1272					
WQ-200-3-BT		650	1470					
WQ-340-3-BT		940	3902					
WQ-600-4-BT		3/4"	24	30~600 Nm	90~600 Nm	1 Nm	1235	4695
WQ-800-4-BT				40~800 Nm	120~800 Nm			
WQ-1000-4-BT				50~1000 Nm	150~1000 Nm			

Bluetooth features

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

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

WA Series

Digital Angle Torque Wrench

WA-30-1



Customizable Bluetooth

Can measurement the degree after tighten the screw or nut

Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1

SPECIFICATIONS:

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

Item No. Battery Type	Accuracy	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(±50g)
WA-30-1	CW:±1.5% CCW:±2.5%	1/4"	72	1.5~30 Nm / 0.1°~360°	4.5~30 Nm	0.01 Nm / 0.1°	410	720
WA-60-2		3/8"		3~60 Nm / 0.1°~360°	9~30 Nm			740
WA-135-2		1/2"		6.8~135 Nm / 0.1°~360°	20~135 Nm	0.1 Nm / 0.1°	434	890
WA-135-3				10~200 Nm / 0.1°~360°	30~200 Nm		454	1080
WA-200-3				17~340 Nm / 0.1°~360°	50~340 Nm		565	1300
WA-340-3				30~600 Nm / 0.1°~360°	90~600 Nm		666	1420
WA-600-4		3/4"	24	40~800 Nm / 0.1°~360°	120~800 Nm		940	3800
WA-800-4				50~1000 Nm / 0.1°~360°	150~1000 Nm	1 Nm / 0.1°	1235	4800
WA-1000-4								

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

WM-I(-BT) Series

Mini Digital Interchangeable Torque Wrench



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

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

SPECIFICATIONS:

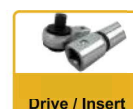
※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

Item No.		Accuracy	Insert	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(g)
Battery Type	Bluetooth Type									
WM-I06-1	WM-I06-1-BT									
WM-I15-1	WM-I15-1-BT									
WM-I25-1	WM-I25-1-BT	CCW:±4%	9x12mm	1/4"	72	0.3~6 Nm	0.9~6 Nm	0.01 Nm	255	270
		CW:±3%				0.75~15 Nm	2.25~15 Nm			
						1.25~25 Nm	3.75~25 Nm			

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



Extra purchase accessories
Please refer to P.27



Drive / Insert

WI-30-1



Only Accessory



Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Ratchet insert tool x1

SPECIFICATIONS:

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

Item No.									
Battery Type	Accuracy	Insert	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(±50g)
WI-30-1	CW:±2% CCW:±3%	9x12mm	1/4"	72	3~30 Nm	4.5~30 Nm	0.01 Nm	403	750
WI-60-2			3/8"		6~60 Nm	9~60 Nm		413	800
WI-135-2					13.5~135 Nm	20~135 Nm	0.1 Nm	425	900
WI-30-3		14x18mm	1/2"		3~30 Nm	6~30 Nm	0.01 Nm	435	950
WI-60-3					6~60 Nm	12~60 Nm			
WI-135-3					13.5~135 Nm	20~135 Nm	0.1 Nm	559	1350
WI-200-3					20~200 Nm	30~200 Nm			
WI-340-3					34~340 Nm	50~340 Nm			
WI-400-3					40~400 Nm	60~400 Nm			

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

WI-BT Series

() -

BT-Digital Interchangeable Torque Wrench

WI-135-3-BT



Only Accessory


 Extra purchase accessories
Please refer to P.27


Drive / Insert



Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Ratchet insert tool x1, Type-C cable

SPECIFICATIONS:

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

Item No.										
Bluetooth Type	Accuracy	Insert	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length (mm)	Weight (±50g)	
WI-30-1-BT	CW:±2% CCW:±3%	9x12mm	1/4"	72	3~30 Nm	4.5~30 Nm	0.01 Nm	387	778	
WI-60-2-BT					6~60 Nm	9~60 Nm		397	810	
WI-135-2-BT					13.5~135 Nm	20~135 Nm	0.1 Nm	409	884	
WI-30-3-BT		14x18mm	1/2"			3~30 Nm	6~30 Nm	0.01 Nm	419	1110
WI-60-3-BT						6~60 Nm	12~60 Nm			
WI-135-3-BT						13.5~135 Nm	20~135 Nm	0.1 Nm	543	1270
WI-200-3-BT						20~200 Nm	30~200 Nm			
WI-340-3-BT						34~340 Nm	50~340 Nm			
WI-400-3-BT						40~400 Nm	60~400 Nm		649	1428

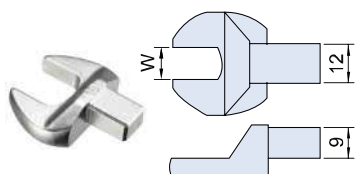
Bluetooth features


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

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

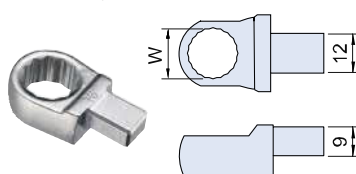
ASMITH

Open-ended Insert tools



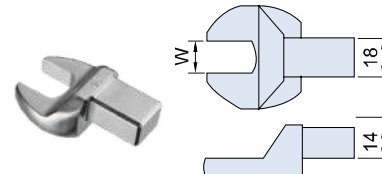
Item No.	W (mm)	Apply to
W-Y0107	7	WM-I06-1 WM-I15-1 WM-I25-1 WI-30-1 WI-60-2 WI-135-2 WD-I30-1-BT
W-Y0108	8	
W-Y0109	9	
W-Y0110	10	
W-Y0111	11	
W-Y0112	12	
W-Y0113	13	
W-Y0114	14	
W-Y0115	15	
W-Y0116	16	
W-Y0117	17	WI-30-1 WI-60-2 WI-135-2 WD-I30-1-BT
W-Y0118	18	
W-Y0119	19	
W-Y0121	21	
W-Y0122	22	
W-Y0123	23	
W-Y0124	24	

Ring Insert tools



Item No.	W (mm)	Apply to
W-R0107	7	WM-I06-1 WM-I15-1 WM-I25-1 WI-30-1 WI-60-2 WI-135-2 WD-I30-1-BT
W-R0108	8	
W-R0109	9	
W-R0110	10	
W-R0111	11	
W-R0112	12	
W-R0113	13	
W-R0114	14	
W-R0115	15	
W-R0116	16	
W-R0117	17	WI-30-1 WI-60-2 WI-135-2 WD-I30-1-BT
W-R0118	18	
W-R0119	19	
W-R0121	21	
W-R0122	22	
W-R0123	23	
W-R0124	24	

Open-ended Insert tools



Item No.	W (mm)	Apply to
W-Y0213	13	WI-30-3 WI-60-3 WI-135-3 WI-200-3 WI-340-3 WI-400-3 WD-I100-2-BT WD-I200-3-BT
W-Y0214	14	
W-Y0215	15	
W-Y0216	16	
W-Y0217	17	
W-Y0218	18	
W-Y0219	19	
W-Y0221	21	
W-Y0222	22	
W-Y0224	24	
W-Y0226	26	
W-Y0227	27	
W-Y0230	30	
W-Y0232	32	
W-Y0234	34	
W-Y0236	36	
W-Y0238	38	
W-Y0241	41	

WM-SD(-BT) Series

Mini Digital Torque Screwdriver

Extra purchase accessories
Please refer to P.30



Bit
Bit Insert



Hex shank socket adapter



Rotate direction

WM-SD



WM-SD(-BT)



Bluetooth features



Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, 1/4" Hex Shank Socket Adapter x1, Bluetooth Type: Type-C cable, Battery Type: Mini screwdriver(replace the battery) x1

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

SPECIFICATIONS:

※Unit Conversion : 1 cNm = 0.01 Nm = 0.102 kgf-cm = 0.088 lbf-in

Item No.		Accuracy	Bit Bit Insert	Setting Range	Suggested Range	Resolution	Length (mm)	Weight (g)
Battery Type	Bluetooth Type							
WM-SD50-1	WM-SD50-1-BT	CW:±3% CCW:±4%	1/4"	5~50 cNm	10~50 cNm (0.1~0.5 Nm)	0.1 cNm	234	180
WM-SD200-1	WM-SD200-1-BT			10~200 cNm	30~200 cNm (0.3~2 Nm)			
WM-SD400-1	WM-SD400-1-BT			20~400 cNm	60~400 cNm (0.6~4 Nm)			

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

WM-B(-BT) Series

Mini Digital Torque Wrench (Bit)

Extra purchase accessories
Please refer to P.30



Bit
Bit Insert



Hex shank socket adapter

WM-B



WM-B(-BT)



Bluetooth features



Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1,
1/4" Hex Shank Socket Adapter x1, Bluetooth Type: Type-C cable, Battery Type: Mini screwdriver(replace the battery) x1

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

SPECIFICATIONS:

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

Item No.		Accuracy	Bit Bit Insert	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length (mm)	Weight (g)
Battery Type	Bluetooth Type								
WM-B06-1	WM-B06-1-BT	CW:±3% CCW:±4%	1/4"	72	0.3~6 Nm	0.9~6 Nm	0.01 Nm	244	200
WM-B15-1	WM-B15-1-BT				0.75~15 Nm	2.25~15 Nm			
WM-B25-1	WM-B25-1-BT				1.25~25 Nm	3.75~25 Nm			

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

W-SB Series**Screwdriver Bit Set**

W-SB25-1



W-SB25-2



W-SB25-3



W-SB25-4



W-SB25-5

SPECIFICATIONS:

Item No.	Specification	Insert Hex Shank	Length	Apply to
W-SB25-1	/ Hex : 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm	1/4"	~25mm	WM-SD series WM-B series
W-SB25-2	/ Hex : 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm			
W-SB25-3	/ Slotted : 4, 5.5, 7 / Phillips : PH00, PH0, PH1, PH2			
W-SB25-4	/ Star Tamperproof : T10, T15, T20, T25, T27, T30, T40			
W-SB25-5	/ Star Tamperproof : T4, T5, T6, T7, T8, T9, T10			

Digital Torque Adapter



- Two modes : F(Track) / K(Peak)
- 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
- 4 units change: N-m, kgf-cm, lbf-in, lbf-ft
- Warning function : Beep, LED indicator
(When reach the torque setting value 80%)
※Not for air wrench and electric wrench.※

WS-60-2



CR2032 battery



☐ To connect any traditional ratchet wrench or hand socket wrench, it can be digital torque wrench.

☐ Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Mini screwdriver(replace the battery) x1

SPECIFICATIONS:

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

Item No.	Accuracy	Drive	Drive Hole	Setting Range	Suggested Range	Resolution	Size(mm) (L x W x H)	Weight(g)
WS-60-2	CW:±1.5% CCW:±2.5%	3/8"	3/8"	3~60 Nm	9~60 Nm	0.01 Nm	75 x 42 x 39	189
WS-135-2				6.8~135 Nm	20~135 Nm	0.1 Nm		
WS-200-3		1/2"	1/2"	10~200 Nm	30~200 Nm			
WS-340-3				17~340 Nm	50~340 Nm			

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

WS-A340-3



- ☐
- ☐
- ☐ To connect any traditional ratchet wrench or hand socket wrench, it can be digital torque wrench.
 - ☐ Can measurement the degree after tighten the screw or nut.
 - ☐ Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide (Bilingual) x1, L-type hex key wrench (replace the battery) x1

SPECIFICATIONS:

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

Item No.	Accuracy	Drive	Drive Hole	Setting Range	Suggested Range	Resolution	Size(mm) (L x W x H)	Weight(g)
WS-A135-2	CW:±1.5% CCW:±2.5%	3/8"	3/8"	6.8~135 Nm / 0.1°~360°	20~135 Nm	0.1 Nm / 0.1°	75 x 50 x 39	210
WS-A200-3		1/2"	1/2"	10~200 Nm / 0.1°~360°	30~200 Nm			
WS-A340-3				17~340 Nm / 0.1°~360°	50~340 Nm			

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

Torque Calibration System



- Calibrate the torque wrench using a sensor to verify its accuracy
 - Warning function : Beep, LED indicator. (When reach the torque setting value 80%)
 - The backlight changes from blue to red, and the buzzer continues to sounds
(When reach the torque setting value 101%)
 - Four torque units are available : N-m, ft-lb, in-lb, kgf-cm
 - Can store 30 memory setting values
 - Two modes : Track /Peak
- ※Not for air wrench and electric wrench.※

② Sensor

For Torque Wrench Calibration
Measurement range from 0.05Nm to 1200Nm.
Select the appropriate sensor based on the
required torque

※

For Adapter Calibration (Please refer to P.31~32)
Includes a base for integrating with a adapter

③ Torque Test Stand

Three sizes, selectable based on wrench length

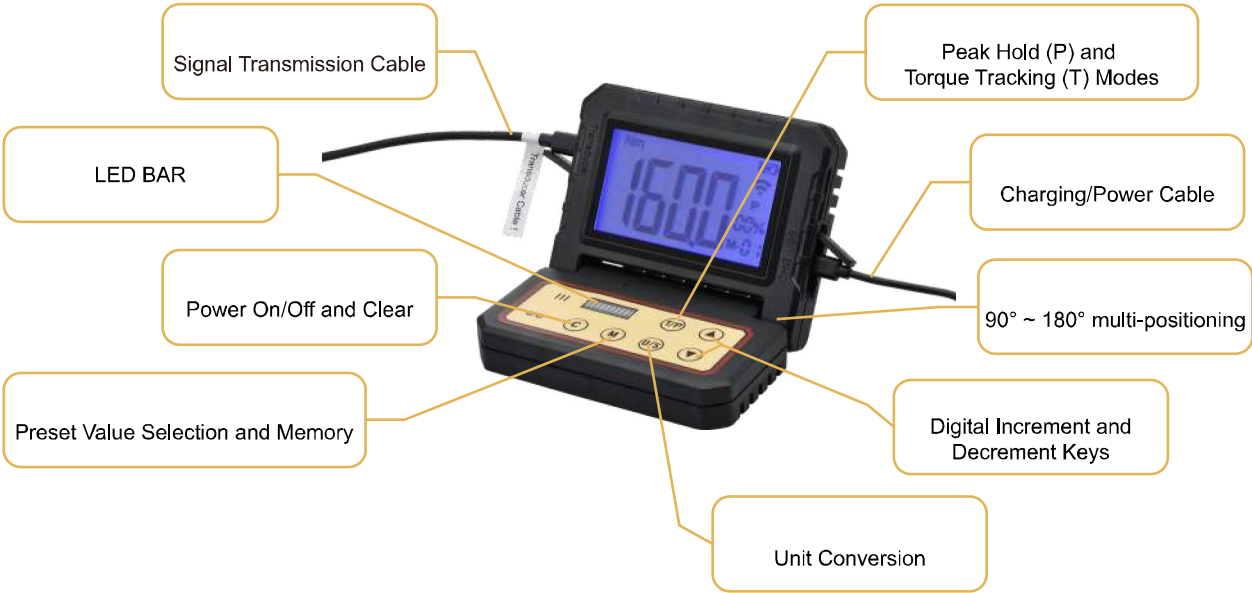
① Meter

Rechargeable design, compatible with various
sensor models

■ Torque calibration system : ① + ② + ③



Meter+Sensor, Buy and get a
shockproof toolbox for free



■ : (/)x1, Type-C to C x1 · USB to Type-C x1
■ Content : User guide(Bilingual) x1, Type-C to C Signal Transmission Cable x1, USB to Type-C Charging Cable x1

SPECIFICATIONS:

Item No.	Setting Range	Resolution	Size (cm) L x W x H	Weight(kg)	Apply to
WC-S1-C	According to sensor specifications		17.2 x 13.5 x 2	0.39	WC-SS series

WC-SS Series**Torque Sensor**

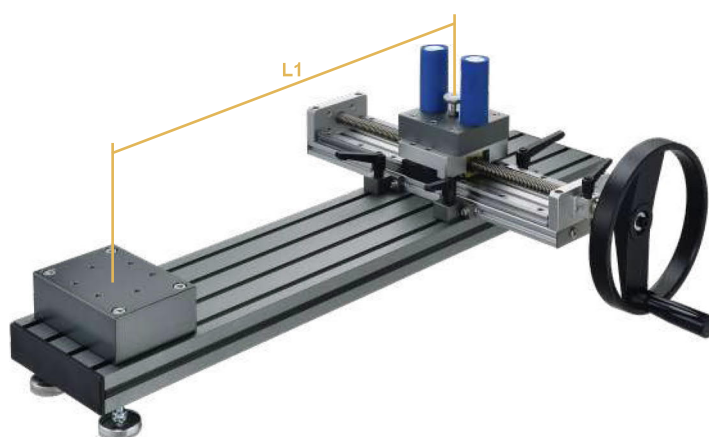
- ☐ Content : Anti-shock tool box x1, Certificate of calibration report (Using ISO specification) x1

SPECIFICATIONS:

※Unit Conversion : 1 Nm = 100 cNm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

Item No.	Accuracy	Setting Range	Calibration Range	Drive(inches)	Resolution	Size (cm) (L x W x H)	Weight (kg)
WC-SS5-1	CW:±0.5% CCW:±1%	※5-500 cNm	※25-500 cNm	1/4"	0.1 cNm	9.3 x 9.3 x 7.9	0.73
WC-SS10-1		0.1~10 Nm	0.5~10 Nm		0.01 Nm		
WC-SS50-1		0.5~50 Nm	2.5~50 Nm				
WC-SS80-2		0.8~80 Nm	4~80 Nm	3/8"	0.1 Nm	9.4 x 9.4 x 8	1.04
WC-SS160-2		1.6~160 Nm	8~160 Nm				
WC-SS250-3		2.5~250 Nm	12.5~250 Nm	1/2"			1.03
WC-SS450-3		4.5~450 Nm	22.5~450 Nm				
WC-SS650-4		6.5~650 Nm	32.5~650 Nm	3/4"		11.0 x 11.0 x 10.4	1.96
WC-SS850-4		8.5~850 Nm	42.5~850 Nm				
WC-SS1200-5		12~1200 Nm	60~1200 Nm	1"	1 Nm	11.7 x 11.7 x 15.5	3.2

Notes: Accuracy guaranteed at 5% to 100% of full scale.



- Content : Open-end wrench x1 (for fixing the base), L-shaped hex wrench x1 (for fixing the sensor), bubble level x1

SPECIFICATIONS:

Item No.	L1 (cm)	Size(cm) (L x W x H)	Weight(kg)	Accessories
WC-LD50	14.5~34	51 x 31.2 x 25.5	10.19	 1/4"
WC-LD80	14.5~65.5	81 x 60.5 x 25.6	13.78	
WC-LD150	29.5~116	152 x 81.5 x 38	-	-

L1 :

Wrench calibration point



Ratchet head center point

Note: L1 represents the distance from the center of the sensor to the calibration point of the wrench.