

INTERCHANGEABLE HEAD TWO-WAY WIRELESS ALL-MODE DIGITAL TORQUE WRENCHES

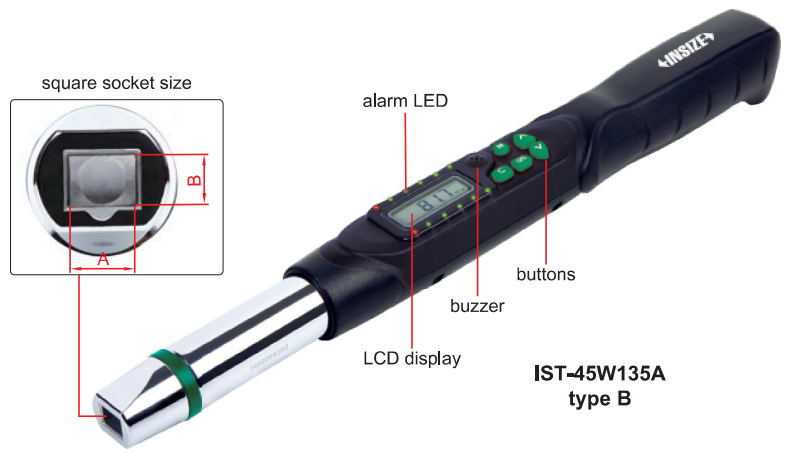
INSIZE
INSPECTION
CERTIFICATE

DATA
OUTPUT

ANGLE
CURVE

ALL
MODE

OPTIONAL ACCURACY:
CLOCKWISE: ±1%, COUNTER-CLOCKWISE: ±2%



Torque wrench:

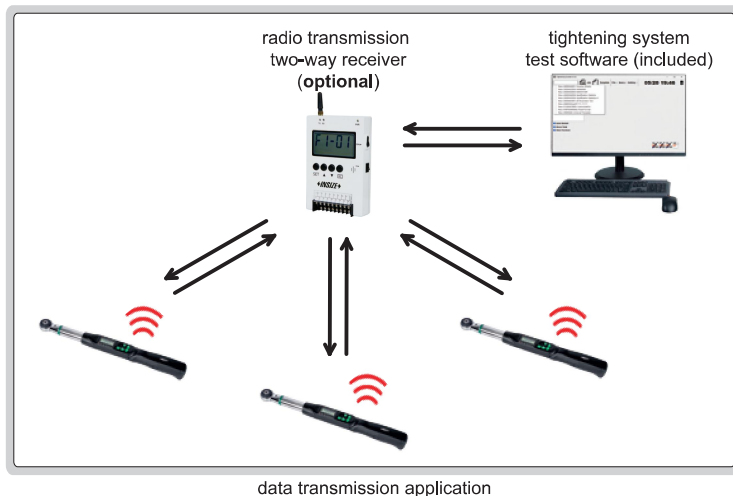
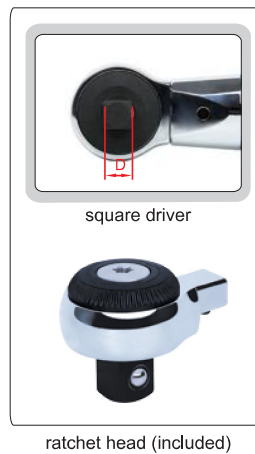
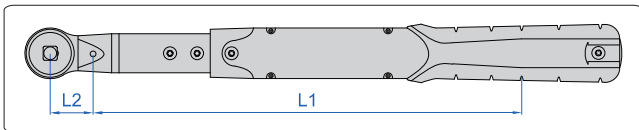
- Unit: N.m, in.lb, ft.lb, kg.cm, °
- Clockwise and counter-clockwise operation
- Includes all operating modes of the digital torque wrench
- Upper and lower tolerance limits can be set to determine pass or fail by LED lights, can set whether to send beyond tolerance limits
- 10 preset target values and usage modes, parameters can be locked to prevent change
- With audible and visible alarm:
 - Green LED light on in sequence and buzzer sounds louder and louder when the value is 80%~99.5% of target torque
 - Both green and red LED light on and buzzer sounds long-lasting alarm when the value is over 99.5% of target torque
- Measurement results automatically calculate % difference from target value
- With storage and browsing on the wrench
- Counting function, over 20% of the range counts once
- Auto power off time can be set
- 2 standard AA or AAA batteries, low power consumption and long battery life
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

Operating modes:

- Peak mode: measure the peak torque
- Angle mode: angle measuring start from 10% of maximum range
- One step mode: angle measuring start from specified torque
- Prevent repeated tightening mode: when target torque reached, but angle less than specified angle, judged as fail
- Quality inspection mode: retighten the tightened bolts to measure the torque, read the torque value when the looseness is detected again
- Curve mode: output torque (including angle) curve diagram and export detailed curve data to Excel

Radio transmission:

- Radio communication, using the 433MHz radio channel, maximum transmission distance is 328ft (no obstacles)



RADIO TWO-WAY RECEIVER (OPTIONAL) SPECIFICATION

Signal output to	computer or PLC
Working frequency	432.0~434.8MHz, adjustable
No. of connections	10 wrenches
Power supply	power adapter, 24V, 0.5A
Dimension	7.87×4.25×1.22"
Weight	1.10lb

*necessary for this series

angle mode

Seq#	0800320260206001	#	Measured
1	ANGLE	1	10.2°(77.2 N.m)
Worker	J067 Worker SHI	2	10.3°(69.3 N.m)
Tool	45 IST-45W410A	3	10.2°(79.8 N.m)
Target	10°		
Range (%)	-20.00% 20.00%		
Location	FEIJI AIRPLANE		
Dept.	JISHU Technology		
Part	FADONGJI Engine		

set target angle

result is angle (with final torque)

one step mode

Seq#	0800320260206001	#	Measured
2	ONE STEP	1	10.2°(123 N.m)
Worker	YS168 Worker CHEN	2	10.6°(108 N.m)
Tool	45 IST-45W410A	3	10.4°(122.3 N.m)
Target	10°		
Trigger Torque	50 N.m		
Range (%)	-20.00% 20.00%		
Location	FEIJI AIRPLANE		
Dept.	JISHU Technology		
Part	FADONGJI Engine		

set target angle (with trigger torque)

result is angle (with final torque)

prevent repeated tightening mode

Seq#	0800320260206001	#	Measured
3	PAL	1	59.4 N.m (0.2°)
Worker	YS168 Worker CHEN	2	60.3 N.m (0.3°)
Tool	45 IST-45W410A	3	61.1 N.m (0.2°)
Target	60 N.m		
Lowest Angle	45°		
Range (%)	-10.00% 10.00%		
Location	FEIJI AIRPLANE		
Dept.	JISHU Technology		
Part	FADONGJI Engine		

set target torque (with lowest angle)

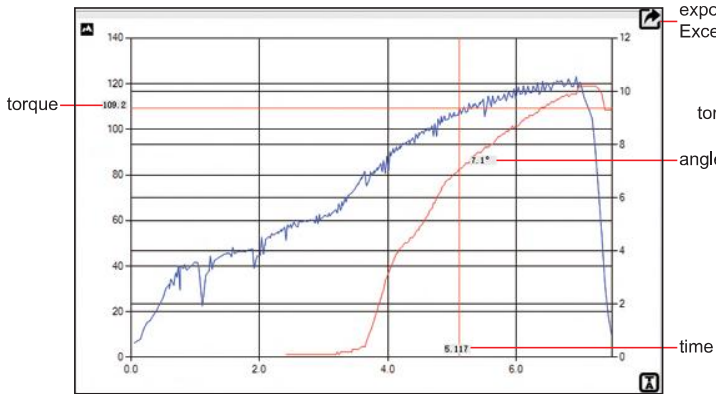
result is torque (with final angle)

quality inspection mode

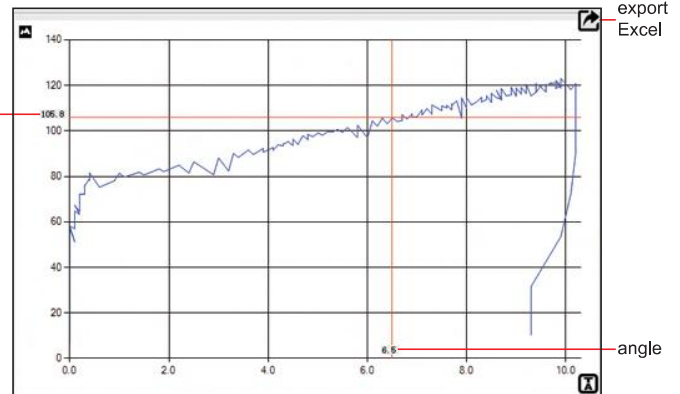
Seq#	0800320260206001	#	Measured
4	QC	1	116.6 N.m (1.4°)
Worker	J067 Worker SHI	2	105.1 N.m (1.4°)
Tool	45 IST-45W410A	3	131.4 N.m (1.4°)
Target	120 N.m		
Capture Angle	1.5°		
Range (%)	-20.00% 20.00%		
Location	FEIJI AIRPLANE		
Dept.	JISHU Technology		
Part	FADONGJI Engine		

set target torque (with capture angle)

result is torque (with actual captured angle)



torque-angle vs. time curve



torque vs. angle curve

SPECIFICATION

Part No.	Type	Range	Accuracy	Resolution	Square socket size (A×B)	Square driver (D)	Standard effective length (L2)	Arm length (L1)	Net weight
IST-45W12A	type A	21.2~106.2in.lb	CW: ±2% CCW: ±3% ±2° (rotate 90°)	0.1in.lb	.472×.354"	1/4"	1.14"	5.15"	.958lb
IST-45W20A		35.4~177.0in.lb		0.1in.lb	.472×.354"	1/4"	1.14"	5.15"	.958lb
IST-45W30A	type B	53.0~265.5in.lb		0.1in.lb	.472×.354"	1/4"	1.14"	10.74"	1.85lb
IST-45W60A		106.0~530.9in.lb		0.1in.lb	.472×.354"	3/8"	1.14"	11.33"	2.25lb
IST-45W135A		19.9~99.5ft.lb		0.1ft.lb	.472×.354"	3/8"	1.14"	11.33"	2.25lb
IST-45W200A		29.5~147.5ft.lb		0.1ft.lb	.709×.551"	1/2"	1.57"	15.01"	3.13lb
IST-45W340A		50.1~250.7ft.lb		0.1ft.lb	.709×.551"	1/2"	1.57"	19.73"	3.57lb
IST-45W410A		60.5~302.3ft.lb		0.1ft.lb	.709×.551"	3/4"	1.57"	19.73"	3.57lb

STANDARD DELIVERY

Digital torque wrench	1 pc
Ratchet head	1 pc
Tightening system test software	1 set (same as IST-13W series)

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
Interchangeable head	same as IST-44W series