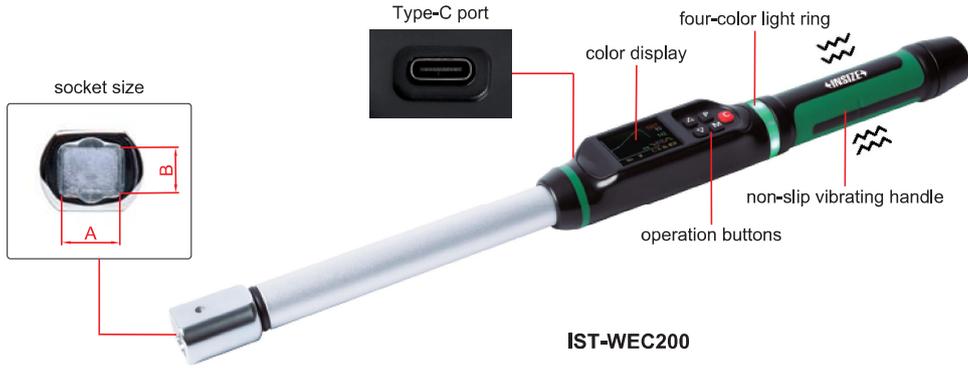


# INTERCHANGEABLE HEAD PRODUCTION-GRADE COLOR DIGITAL TORQUE WRENCHES (WIFI LAN)

DATA OUTPUT

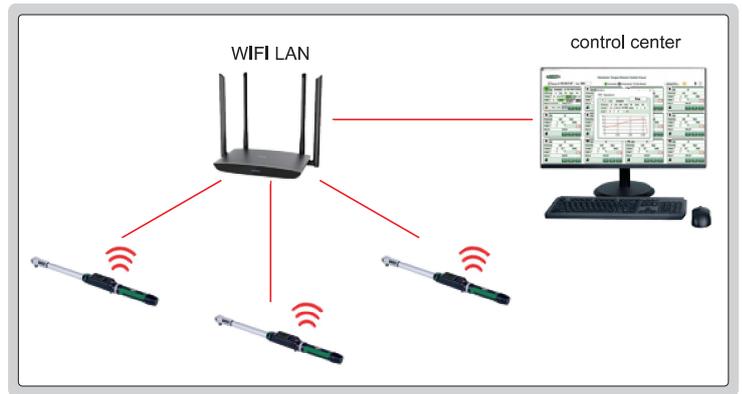
INSPECTION CERTIFICATE



IST-WEC200

**Torque wrench:**

- Aluminum tube body for lighter use
- Unit: N.m, cN.m, lb.in, lb.ft, kg.cm, kg.m, oz.in, °
- Clockwise and counter-clockwise operation
- Three operating modes:
  - Peak mode: measure the peak torque
  - Angle mode: angle measuring start from 5% of maximum range
  - One step mode: angle measuring start from specified torque
- 20 preset parameter groups are available for recall which can be locked to prevent changes and switching
- With audible and visible and handle vibration alarm:
  - when approaching target value, yellow LED light on, buzzer intermittent alarm
  - when reaching target value, green LED light on, buzzer rapid alarm, handle vibrate
  - when exceeding target value, red LED light on, buzzer long-lasting alarm, handle accelerated vibrate
  - During data transmission, blue LED light on
- Interval display of curved interface and main interface after unloading
- Upper and lower tolerance limits (angle tolerance fixed at  $\pm 1^\circ$ ) can be set to determine pass or fail by LED lights
- Provide torque graph for analyzing and adjusting the tightening strategy
- Open communication protocols for users to develop and interface with factory MES, PLC and other systems
- Automatic zeroing during continuous operation
- Memory of 1000 results and 100 historical review curves
- Unique ratio function, torque can be automatic corrected by set factor when head is extended
- Auto power off time can be set
- Two 18650 high capacity rechargeable lithium batteries for alternate use



basic transmission software application

### Settings

Parameter Preset Group Number:

Lock

*When Locked, modification from the wrench end is not allowed.*

Data Storage:  Manual  Automatic  Qualified

### Preset Groups

S/N: AF000035 Torque Capacity: 200.00 Nm

| No. | Type | Unit | Mode       | Torque | ±Err% | Angle | Ratio |
|-----|------|------|------------|--------|-------|-------|-------|
|     |      |      | Peak Track |        |       |       |       |
| 1   | T    | Nm   | ⊙          | 20.0   | 10.0  |       | 1.2   |
| 2   | A    | Nm   | ⊙          |        |       | 15    |       |
| 3   | T/A  | Nm   | ⊙          | 10.0   | 10.0  | 15    | 1.0   |
| 4   | T    | Nm   | ⊙          | 40.0   | 5.0   |       | 1.0   |
| 5   | T    | Nm   | ⊙          | 50.0   | 10.0  |       | 1.0   |
| 6   | T    | Nm   | ⊙          | 15.0   | 4.0   |       | 1.0   |
| 7   | T/A  | Nm   | ⊙          | 23.5   | 3.0   | 20    | 1.0   |
| 8   | T/A  | Nm   | ⊙          | 44.2   | 2.0   | 25    | 1.0   |
| 9   | T/A  | Nm   | ⊙          | 60.5   | 5.0   | 15    | 1.0   |
| 10  | T/A  | Nm   | ⊙          | 50.0   | 6.0   | 20    | 1.0   |
| 11  | T    | Nm   | ⊙          | 20.0   | 10.0  |       | 1.2   |
| 12  | T    | Nm   | ⊙          | 70.5   | 2.0   |       | 1.0   |
| 13  | T    | Nm   | ⊙          | 55.0   | 10.0  |       | 1.0   |
| 14  | A    | Nm   | ⊙          |        |       | 20    |       |
| 15  | A    | Nm   | ⊙          |        |       | 30    |       |
| 16  | T    | Nm   | ⊙          | 65.0   | 20.0  |       | 1.0   |
| 17  | T/A  | Nm   | ⊙          | 44.2   | 10.0  | 40    | 1.0   |
| 18  | A    | Nm   | ⊙          |        |       | 45    |       |
| 19  | T    | Nm   | ⊙          | 43.0   | 10.0  |       | 1.0   |
| 20  | T    | Nm   | ⊙          | 65.0   | 20.0  |       | 1.0   |

Read Update

### Electronic Torque Wrench Control Panel

Server IP: 192.168.31.127 Port: 8899 Connected

Storage Path: 1

1 S/N: AF000035 IP: 192.168.31.36:54 Preset No: 3 Unit: Nm Type: T/A Torque: 10 ± 10.0 % 20.42 Ratio: 1.0 Angle: 15 14.8 2028-02-28 10:28:37 Def\_A: 02236978965 Def\_B: 7432 A

2 S/N: Waveform Preset No: 1 Unit: Nm Mode: T/A Ratio: 1.0 Torque: 10 ± 10.0 % 21.454 Range: 0 - 11 Angle: 15 0

3 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

4 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

5 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

6 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

7 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

8 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

9 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

10 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

11 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

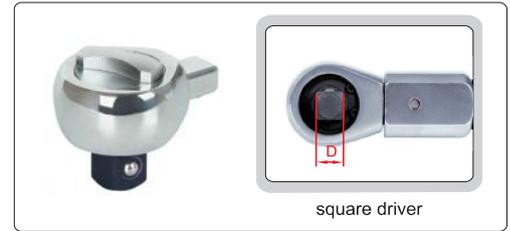
12 S/N: IP: Preset No: Unit: Type: Ratio: Def\_A: Def\_B:

work display software (included)

parameter setting software (included)

**Basic transmission software (included):**

- WIFI LAN real-time communication can receive and monitor 24 wrenches at the same time, data can be automatically sent to the centralized control center software
- Parameters can be set and matched directly to the wrench via USB connection to the software
- Can select whether the wrench only sends qualified data after operation (in accordance with the tolerance)
- The data is stored in the wrench when the wrench is disconnected, and the data is automatically uploaded to the computer after wireless connection, or can be uploaded manually through USB connection
- The data in the software is stored in a file with Txt and can be copied and exported to Excel



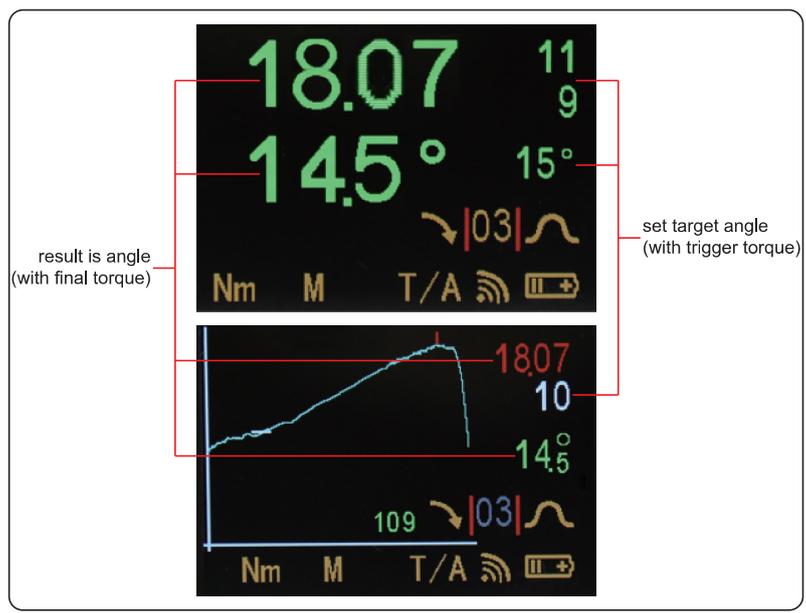
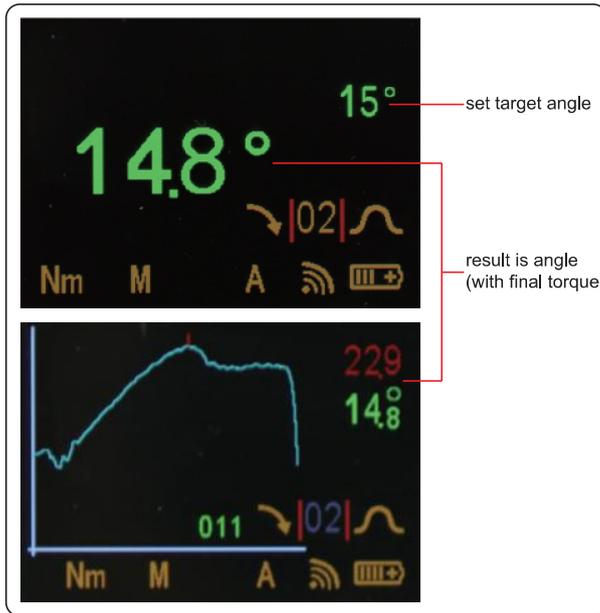
ratchet head (included)

**Web framework extension software system (optional):**

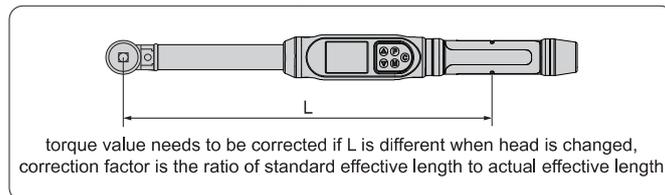
- Details refer to □□ page, same as IST-WPE series

**SPECIFICATION**

| Code       | Range     | Accuracy            |   | Resolution | Socket size (A×B) | Square driver (D) | Standard effective length (L) | Length | Net weight |
|------------|-----------|---------------------|---|------------|-------------------|-------------------|-------------------------------|--------|------------|
|            |           | Torque              | Angle   |            |                   |                   |                               |        |            |
| IST-WEC10  | 1~10N.m   | CW: ±2%<br>CCW: ±3% | ±1% of indicated value +<br>±1° (speed 10°~180°/s)<br>+<br>±1° (clamping error) | 0.001N.m   | 12×9mm            | 1/4"              | 229mm                         | 295mm  | 500g       |
| IST-WEC20  | 2~20N.m   |                     |   | 0.01N.m    | 12×9mm            | 1/4"              | 229mm                         | 295mm  | 500g       |
| IST-WEC30  | 3~30N.m   |                     |   | 0.01N.m    | 12×9mm            | 1/4"              | 335mm                         | 401mm  | 610g       |
| IST-WEC60  | 6~60N.m   |                     |   | 0.01N.m    | 12×9mm            | 3/8"              | 335mm                         | 401mm  | 610g       |
| IST-WEC100 | 10~100N.m |                     |   | 0.01N.m    | 12×9mm            | 3/8"              | 365mm                         | 432mm  | 640g       |
| IST-WEC200 | 20~200N.m |                     |   | 0.1N.m     | 18×14mm           | 1/2"              | 446mm                         | 505mm  | 820g       |
| IST-WEC300 | 30~300N.m |                     |   | 0.1N.m     | 18×14mm           | 1/2"              | 526mm                         | 585mm  | 950g       |
| IST-WEC400 | 40~400N.m |                     |   | 0.1N.m     | 18×14mm           | 3/4"              | 647mm                         | 706mm  | 1150g      |



**torque correction**



**STANDARD DELIVERY**

|                              |       |
|------------------------------|-------|
| Digital torque wrench        | 1 pc  |
| Ratchet head                 | 1 pc  |
| Type-C transmission cable    | 1 pc  |
| Basic transmission software  | 1 set |
| Rechargeable lithium battery | 2 pcs |
| Lithium battery charger      | 1 pc  |

**OPTIONAL ACCESSORY**

|   |                                     |
|---|-------------------------------------|
| Interchangeable head                    | same as IST-WPE series              |
| Web framework extension software system | IST-WPE-TS (same as IST-WPE series) |