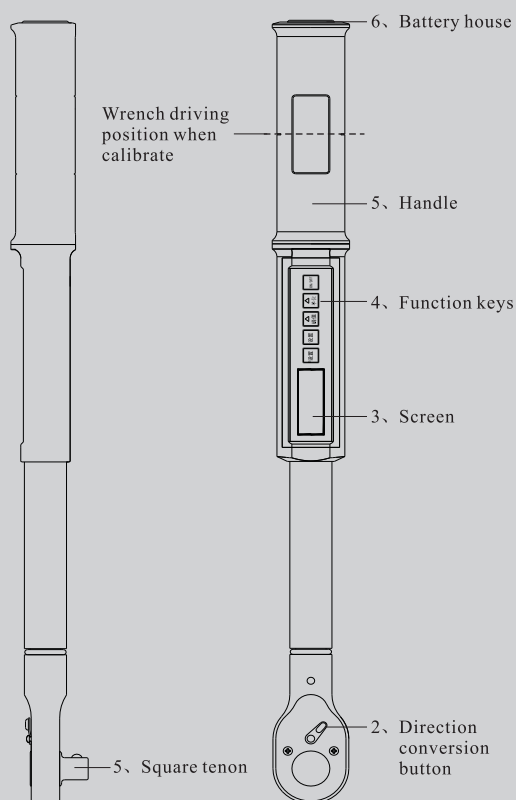


1 Summary

SDH Series Digital Torque Wrench adopt microprocessor to make digital processing. Accurate torque value, stable performance, low power consumption and convenient use. It can be widely used in many industries which is strict in thread fastening torque, such as car, motorcycle, railway, bridge and pressure vessel etc.

2 Parts name and function



- 1、 Square tenon: be used to connect fastening sleeve; the sleeve can fall off rapidly when you push the middle button; refer to specification table for all models.
- 2、 Direction conversion button: be used to switch the direction of operation (clockwise or anticlockwise); the torque wrench is anticlockwise operation when the directional button is pushed on the right (as picture above), it can loosen the fastener; the torque wrench is clockwise operation when the direction conversion button is pushed on the left, it can tighten the fastener; Attention, don't operate when the direction conversion button is on the middle, otherwise the structure of ratchet wheel will loose efficacy then be stuck.
- 3、 Screen: be used to display torque value; stable reading and accurate torque value.

4、 Function keys

 Power on and off

 Unit/regressive key

- A、 Be used to switch among N.m、 Kgf.cm、 lbf.in
- B、 Set value will reduce when press the key under the setstate. Press the key more than 2 seconds will make a successive reduction of the value.

 Peak/accumulation key

- A、 Be used to switch among 3 states: peak hold, peak automatic discharge and real-time value. And the default is real-time value state when power on.
- B、 Set value will increase when press the key under the setstate. Press the key more than 2 seconds will make a successive increment of the value.

 Be used to back to zero, eliminate peak and quit setstate.

 Set key

- A、 “**H₁dt**” Be used to set the alarm value of upper limit
- B、 “**L₀dt**” Be used to set the alarm value of lower limit
- C、 “**uPLY**” Be used to gain revised value
- D、 “**AP - 1**” Be used to set the automatic discharge time of peak (free to set 1-10 seconds)
- E、 “**PF - 10**” Be used to set the time of automatic power off. (free to set 1-60 seconds, 0 cancel automatic power off)

5、 Handle

The holding part of torque wrench, be used to increase torque.

6、 Battery house

Adopt the coins or slot type screwdriver to loosen the battery house, successively put 3 number 5 battery into it with anode inside, then rotate back the berry house.

3 Calibration

- 1、 The torque wrench should be calibrated regularly according to JJG707-2003 file.
- 2、 When make the calibration, the position of driving wrench is on the center line of the box on the handle.

4 Parameter

| | | | | |
|-------------------|------------|----------|------------|------------|
| Model | SDH-20 | SDH-50 | SDH-100 | SDH-200 |
| Accuracy | ±2% | | | |
| Resolution | 0.01 N.m | 0.01 N.m | 0.05 N.m | 0.1 N.m |
| Range | 2~20 N.m | 5~50 N.m | 10~100 N.m | 20~200 N.m |
| Square tenon size | 9.5 (3/8') | | | |
| Weight | 0.93Kg | 0.94Kg | 0.96Kg | 0.98Kg |
| Length | 405mm | | | 495mm |

5 Cautions

- 1、 The torque wrench is used for thread fastening which need torsin. Don't use it for any other purposes.
- 2、 Please confirm the range of torque wrench before using it. Don't use it beyond the range, otherwise the torque wrench will be broken or produce indication error.
- 3、 Don't use the torque wrench when it cannot be displayed or no power.
- 4、 Don't knock on the screen or put objects on the screen
- 5、 Don't use the torque wrench on the place which can be spattered with water, oil and other liquid. It should be stored on shady, dry and no vibration place.
- 6、 Don't disassemble, fix or remould the torque wrench by yourself.

6 Maintain and Service

- 1、 Please use soft cloth to clean the instrument, first put the dry cloth into water with detergent, then dry it to clean dust and dirt. Don't use volatile chemical substances, such as volatile oil, diluter and alcohol etc.
- 2、 Please connect with the purchasing place or our company when the product is broken.

7 Packing List

| Item | Name | Quantity |
|------|---------------------------|----------|
| 1 | SDH Digital Torque Wrench | 1 |
| 2 | Manual | 1 |
| 3 | Qualification Certificate | 1 |
| 4 | Number 5 dry battepy | 3+1 |

MANUFACTURER:WENZHOU SUNDOO INSTRUMENTS CO.,LTD
 Add: Building E,No.10 High-tech Industrial Zone Wenzhou China
 Zip: 325013
 Tel: +86 577 88609905
 Fax: +86 577 88390155
 Http://www.sundoo.com
 E-mail:export@sundoo.com

Ver: 1.02 Con:20150806