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IST-DW SERIES
DAIL TORQUE WRENCH
OPERATION MANUAL

V1

Attention

- Don't use the wrench as a hammer.
- Do not shake violently or drop wrench.
- Can be used in two directions, don't use it to loose the bolt or nut, otherwise, the accuracy will be damaged.
- The wrench need to be check and calibrated after about 5000 times using.
- The repair and calibration should be done by professional people.
- When the wrench is not used for an extended period of time, put the wrench in box for storing.

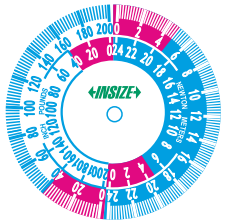
Product introduction

Note: The accuracy guarantee range is 20%~100% of full scale, the red area of dial can't be used.

Basic operations

1 Dial description

The torque measurement unit for the dial is metric(Newton meters Nm), and imperial (inch pounds in.lb or foot ft.lb). The white engraved line of the blue area is the scale of the unit Nm, and the blue engraved line of the white area is the scale of the imperial unit in.lb or ft.lb.In the red area, the torque error value is greater than ±4%, which is the prohibited range. The 20%~100% area of the maximum range is the allowable range of 4% accuracy.



Rotating the knob on the case or cover can drive the blue indication rotation. The pointer is a memory reading pointer, also known as a passive pointer or a follower pointer. The yellow pointer connected to the movement is a working pointer, also known as an active pointer.

The use of this product should be based on the strength grade and torque value of the fasteners to select the appropriate range of specifications and models, should not be used beyond the scope.

2 Zero before use

1. Zero of right-handed direction use: When using metric (imperial) as the unit of measurement, rotate the case counterclockwise (clockwise), so that the active pointer pushes the memory pointer until the blue memory pointer is aligned with the zero mark.
2. Zero of left-handed direction rotation: When using metric (imperial) as the unit of measurement, rotate the case clockwise (reverse), so that the active pointer pushes the memory pointer until the blue memory pointer is aligned with the zero mark.

3 Loading and reading

Apply torque smoothly and slowly until the memory pointer points to the target torque value.

After the force is stopped, the active pointer re-automatically recovers the zero position under the action of the elastic element and the torsion spring of the movement, the memory pointer remains at the indicated scale value, and the torque value can be accurately read. Rotate the knob on the dial to return the memory pointer to zero for the next use.