



6391TR-2/10

Generic 1/4 inch Torque Wrench Instruction Manual

Model: 6391TR-2/10

Brand: Generic

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Generic 1/4 inch Torque Wrench. This precision tool is designed for accurate torque application within a range of 2-10 N.m, featuring a TLB Dial and an accuracy of $\pm 3\%$ with 0.1 N.m division. Please read this manual thoroughly before operation to ensure proper usage and to maintain the tool's accuracy and longevity.

PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and in good condition:

- 1 x Generic 1/4 inch Dial Torque Wrench
- 1 x Black Storage Case



Image: The Generic 1/4 inch Torque Wrench shown alongside its protective black storage case.

KEY FEATURES

- **Precision Torque Range:** Operates within 2-10 N.m with a fine division of 0.1 N.m, ensuring accurate fastening.
- **High Accuracy:** Achieves an accuracy of $\pm 3\%$, minimizing errors in torque application.
- **Dual Direction Support:** Functions effectively in both clockwise and counterclockwise directions.
- **Peak Memory Function:** Features a slave pointer that retains the peak torque value, allowing for easy reading after tightening.
- **Durable Construction:** Equipped with a hardened alloy steel drive head and a non-slip matte aluminum handle for robust performance and comfortable grip.
- **Versatile Application:** Suitable for various scenarios requiring strict torque control, including automotive repair, mechanical assembly, and aerospace.

HIGH PRECISION MEASUREMENT

3% ACCURACY

Avoid the Error of Manual Estimation; Improve the Working Efficiency and the Security of Equipment or Workers



Image: A close-up view of the torque wrench dial, emphasizing its high precision and 3% accuracy for reliable measurements.

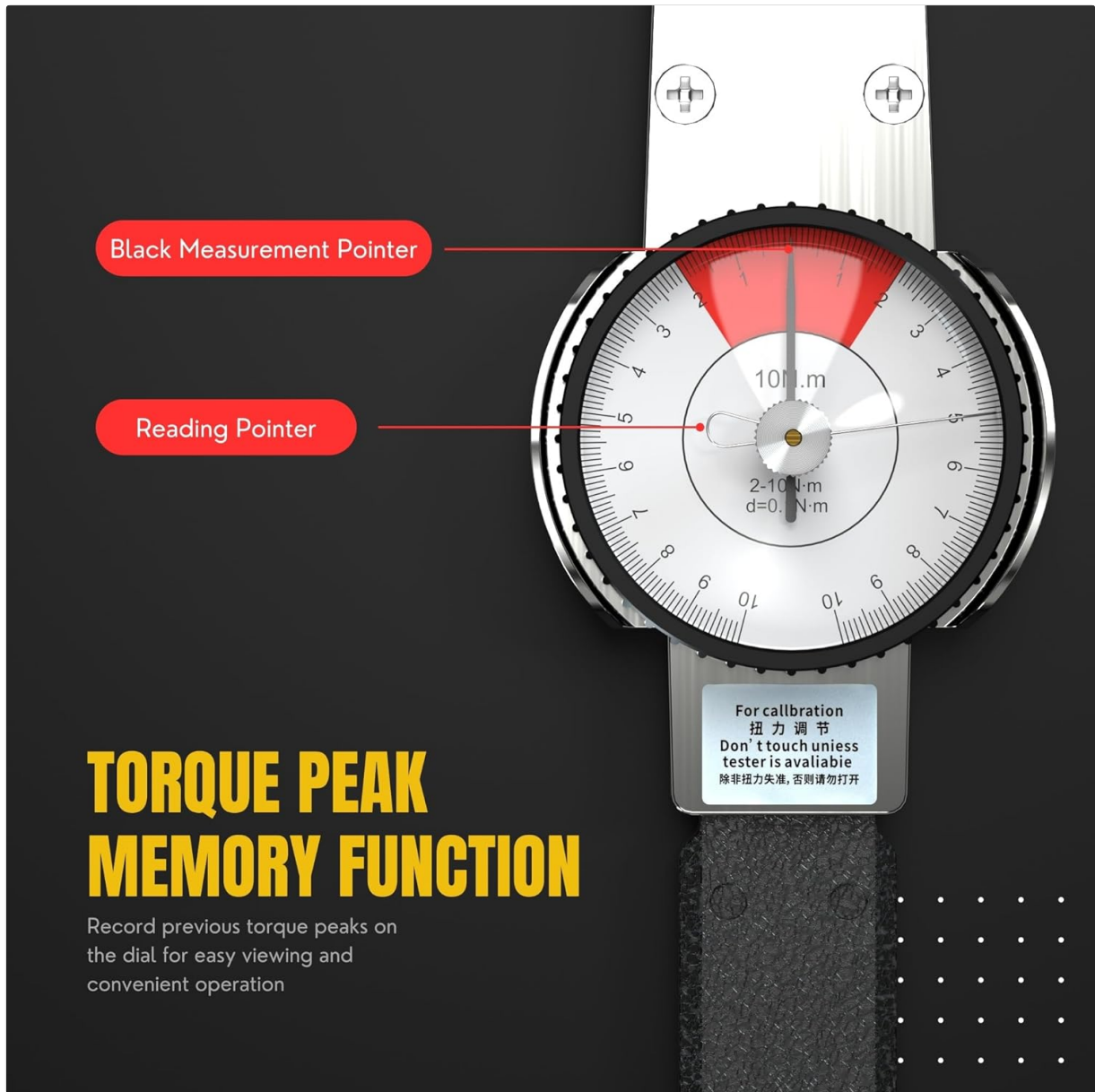


Image: The torque wrench dial illustrating the black measurement pointer and the red reading pointer, which indicates the peak torque value for the memory function.

MULTI-SCENARIO USAGE

Widely used in automotive repair, mechanical assembly, aerospace, and other fields, suitable for scenarios with strict torque control requirements.



Railway Transportation



Shipbuilding



Mechanical Processing



Aviation



Automotive repair



Image: The torque wrench depicted in a collage of different usage scenarios, including railway transportation, shipbuilding, mechanical processing, aviation, and automotive repair, showcasing its multi-scenario applicability.

Your browser does not support the video tag.

Video: A demonstration of the 1/4 inch Torque Wrench in use, showing its application for tightening components and the dial indicating torque.

SETUP

1. **Unpacking:** Carefully remove the torque wrench and its case from the packaging. Inspect for any signs of damage.
2. **Initial Zeroing:** Before each use, ensure the active pointer on the dial is at the zero mark. If it is not, gently adjust the bezel by turning it until the pointer aligns with zero.

OPERATING INSTRUCTIONS

Follow these steps for accurate torque application:

1. **Attach Socket:** Securely attach the appropriate 1/4" drive socket to the square drive tenon of the torque wrench.
2. **Position Wrench:** Place the socket onto the fastener you intend to tighten.

3. **Apply Force:** Apply force to the handle slowly and smoothly. Observe the active pointer on the dial as it moves.
4. **Reach Desired Value:** Continue applying force until the active pointer reaches your desired torque value on the dial. Avoid sudden or jerky movements.
5. **Read Peak Torque:** Once you stop applying force, the active pointer will automatically return to zero. The slave pointer (red pointer) will remain at the maximum torque value achieved during the tightening process. Read this value for verification.
6. **Reset Slave Pointer:** For the next use, manually reset the slave pointer back to zero by turning the bezel.

IMPORTANT SAFETY INFORMATION

To prevent damage to the tool or injury, please adhere to the following precautions:

- **Do Not Exceed Torque Range:** Never attempt to use the torque wrench beyond its specified torque range of 2-10 N.m. Exceeding this range can damage the tool and compromise its accuracy.
- **Avoid Disassembly:** Do not arbitrarily disassemble the torque wrench or subject it to forceful impacts. Such actions can severely affect its calibration and accuracy.
- **Temperature Sensitivity:** Keep the plastic components of the wrench away from high temperatures to prevent deformation or damage.
- **Smooth Application:** Always apply force slowly and steadily. Sudden or abrupt force is not recommended as it can lead to inaccurate readings and potential damage.

MAINTENANCE

The Generic 1/4 inch Torque Wrench features a simple mechanical structure, making its maintenance relatively straightforward. Regular care will ensure its continued accuracy and performance:

- **Cleaning:** After each use, wipe the wrench clean with a soft, dry cloth to remove any dirt, grease, or debris. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the torque wrench in its provided black case when not in use. Keep it in a dry, clean environment, away from extreme temperatures and humidity.
- **Calibration:** While daily maintenance is simple, periodic professional calibration is recommended to verify and maintain the tool's $\pm 3\%$ accuracy over time.

EASY MAINTENANCE

LOW MAINTENANCE COST

Due to the simple mechanical structure, daily maintenance and calibration are relatively easy. Typically, they only need regular cleaning and calibration to maintain performance.



Image: A detailed view of the torque wrench's drive head and handle, highlighting its robust design that contributes to easy and low-cost maintenance.

TROUBLESHOOTING

If you encounter any issues with your torque wrench, refer to the following common problem and solution:

Problem: The needle does not return to zero.

Solution: If the active pointer (needle) does not align with the zero mark before or after use, gently adjust the bezel by turning it until it reads zero. This ensures accurate measurements for subsequent operations.

SPECIFICATIONS

Attribute	Detail
Model Number	6391TR-2/10
Torque Range	2-10 N.m
Accuracy	±3%
Graduation / Division	0.1 N.m
Driving Square Tenon	1/4"
Material	Alloy Steel, Aluminum, Plastic
Color	Silver
Item Length	11.8 inches
Item Weight	2.31 pounds
Head Style	Fixed Square
Operation Mode	Mechanical
Included Components	Dial Torque Wrench, Storage Case

WARRANTY & SUPPORT

For information regarding warranty coverage, technical support, or service inquiries for your Generic 1/4 inch Torque Wrench, please contact the manufacturer or the seller directly. Refer to your purchase documentation for specific contact details.