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› [LIBRATON](#) /

› LIBRATON Bike Torque Wrench 1/4", 2-14 Nm, Model 912918 - Instruction Manual

LIBRATON 912918

LIBRATON Bike Torque Wrench 1/4", 2-14 Nm

Model: 912918

INTRODUCTION

Thank you for choosing the LIBRATON Bike Torque Wrench. This precision tool is designed for accurate torque application on bicycle components and other delicate fasteners, preventing damage from over-tightening or loosening. This manual provides essential information for the safe and effective use of your torque wrench.

The LIBRATON 1/4" drive torque wrench offers a working range of 2-14 Nm with micro-adjustments of 0.1 Nm, ensuring precise control for various tasks. Its durable construction and user-friendly design make it an indispensable tool for maintenance.

PACKAGE CONTENTS

Your LIBRATON Bike Torque Wrench set includes the following items:

- 1/4" Drive Torque Wrench (2-14 Nm)
- Hex/Allen Bits: H2, H2.5, H3, H4, H5, H6, H8
- Torx/Star Bits: T10, T15 (x2), T20 (x2), T25 (x2), T27, T30
- Nut Drivers: 5.5mm, 6mm, 7mm
- Impact to 1/4" HEX Converter
- Portable Roll Bag for storage and transport

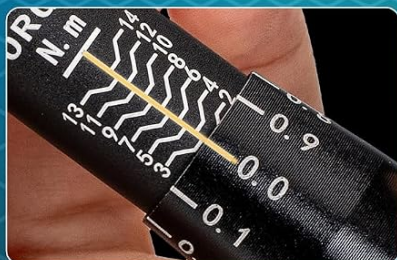


1/4" Drive Torque Wrench

21PCS

Accuracy of $\pm 3\%$
MICRO-ADJUSTMENT
to 0.1 Nm

2.0-14.0 Nm



Note: Please adjust to the lowest torque value when not in use for a long time.

Image: The complete LIBRATON Bike Torque Wrench set, including the wrench, various hex and Torx bits, nut drivers, a hex converter, and a portable roll bag.

SAFETY INFORMATION

Always observe the following safety precautions when using the torque wrench:

- Read and understand all instructions before use.
- Wear appropriate personal protective equipment, such as safety glasses.
- Do not exceed the maximum torque capacity of 14 Nm.
- Do not use the torque wrench as a breaker bar or for loosening fasteners. It is designed for tightening only.
- Ensure the bit is fully seated in the fastener head to prevent stripping.
- Keep the tool clean and free from oil or grease to maintain a secure grip.
- Store the torque wrench at its lowest torque setting (2 Nm) when not in use for extended periods to preserve spring calibration.

SETUP AND TORQUE SETTING

Follow these steps to set the desired torque value on your wrench:

1. **Unlock:** Rotate the knurled handle counter-clockwise to unlock the adjustment mechanism.
2. **Set:** Rotate the handle to align the desired torque value on the main scale with the micro-adjustment scale. For example, to set 5.5 Nm, align '5' on the main scale with the indicator line, then rotate the handle until '0.5' on the micro-adjustment scale aligns with the main scale's indicator.
3. **Lock:** Rotate the knurled handle clockwise to lock the adjustment mechanism. Ensure it is securely locked before use.

Note: Always adjust the wrench to its lowest torque value (2 Nm) when storing it for a long time.

 **LIBRATON®**

1/4" Drive Torque Wrench

21PCS



HOW TO SET



STEP 1
UNLOCK



STEP 2
SET



STEP 3
LOCK

* **Note:** Please adjust to the lowest torque value when not in use for a long time.

Image: A visual guide demonstrating the three steps to unlock, set, and lock the torque setting on the LIBRATON torque wrench.

OPERATING INSTRUCTIONS

Using your LIBRATON Bike Torque Wrench effectively:

1. **Select Bit:** Choose the appropriate hex, Torx, or nut driver bit for your fastener and insert it firmly into the 1/4" drive head of the wrench.
2. **Set Torque:** Follow the 'Setup and Torque Setting' instructions to set the required torque value.
3. **Apply Force:** Place the wrench and bit onto the fastener. Apply smooth, steady force to the handle in the tightening direction. The wrench is dual-direction capable.
4. **Listen for Click:** Continue applying force until you hear and feel a distinct "click" from the wrench. This indicates that the preset torque value has been reached. Stop immediately after the click.
5. **Release:** Remove the wrench from the fastener. The quick-release button on the drive head allows for easy bit removal.

The 72-tooth mechanism allows for finer adjustments and better access in confined spaces.



Image: The torque wrench in action, demonstrating its use on different parts of a bicycle and an engine, highlighting its versatility.



Image: A close-up view of the wrench head, illustrating the 'Click-Stop' feature that signals when the desired torque is achieved, preventing over-torque.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your torque wrench:

- **Cleaning:** After each use, wipe the wrench clean with a dry, soft cloth. Do not use solvents or harsh chemicals, as these can damage the finish or internal components.
- **Storage:** Always return the torque wrench to its lowest torque setting (2 Nm) before storing. Store it in its protective roll bag in a dry, clean environment, away from extreme temperatures and humidity.
- **Calibration:** Torque wrenches are precision instruments and may require periodic re-calibration to maintain accuracy. The frequency depends on usage. Consult a professional calibration service if you suspect inaccuracy.



1/4" Drive Torque Wrench 21PCS



Image: The LIBRATON torque wrench and its accessories neatly organized within the portable roll bag, ready for storage or transport.

TROUBLESHOOTING

If you encounter issues with your torque wrench, consider the following:

- **No Click Sound:** Ensure the torque setting is correctly locked. If the fastener is already tight, the wrench may not click. Do not force it beyond the set torque.
- **Inaccurate Readings:** Verify the torque setting is correctly aligned. If the wrench has been dropped or subjected to impact, its calibration may be affected. Periodic professional calibration is recommended for critical applications.
- **Bit Slipping:** Ensure the correct size bit is used and fully inserted into the fastener head. Clean any debris from the fastener or bit.

For further assistance, please contact LIBRATON customer support.

SPECIFICATIONS

Feature	Specification
Model Number	912918
Drive Size	1/4 inch
Torque Range	2-14 Nm
Micro-Adjustment	0.1 Nm
Accuracy	±3%
Gear Mechanism	72-Tooth
Head Material	Cr-Mo Steel (Chromium-Molybdenum)
Handle Material	Aluminum Alloy
Color	Black
UPC	630808005671

WARRANTY AND SUPPORT

LIBRATON is committed to providing quality tools. While specific warranty details are not provided in this manual, we offer customer support for any issues you may encounter with your torque wrench. Our service team aims to reply to inquiries within 24 hours.

For support, please visit the official LIBRATON website or contact your retailer.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question