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GOYOJO GM10-JP

GOYOJO Digital Torque Wrench GM10-JP User Manual

Model: GM10-JP | Brand: GOYOJO

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your GOYOJO Digital Torque Wrench GM10-JP.

Please read this manual thoroughly before operation and keep it for future reference.

The GOYOJO Digital Torque Wrench is a high-precision, durable tool designed for accurate torque measurement. It features three operating modes, four unit options, and a data storage capacity of up to 999 records, making it suitable for a wide range of applications including automotive, motorcycle, bicycle maintenance, home appliance repair, and various DIY projects.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the tool:

- Ensure the ratchet direction switch is fully engaged when changing between clockwise and counter-clockwise rotation to prevent operational errors or tool damage.
- Do not exceed the specified torque measurement range of 0.3-10 Nm. Over-torquing can damage the tool and the fastener.
- Avoid dropping the tool or subjecting it to strong impacts, as this can affect its accuracy and internal components.
- Keep the tool clean and dry. Store it in its protective case when not in use.
- Do not attempt to disassemble or modify the tool. Repairs should only be performed by qualified personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- GOYOJO Digital Torque Wrench Body (GM10-JP) x 1
- User Manual (Japanese) x 1
- AAA Batteries x 2



Image: The GOYOJO Digital Torque Wrench GM10-JP, shown with its protective carrying case.

4. PRODUCT FEATURES

- **High Precision & Durability:** Measures torque in both clockwise ($\pm 2\%$ accuracy) and counter-clockwise ($\pm 2.5\%$ accuracy) directions. Features a clear digital display for precise torque confirmation. Constructed from high-quality carbon steel with a 72-tooth reversible ratchet head for enhanced durability.
- **Multiple Modes & Units:** Offers three measurement modes: Track (T), Peak Hold (P), and Preset (Pre). Supports four torque units: N·m, ft·lbf, in·lbf, and kgf·cm.
- **Target Torque Confirmation & Data Storage:** Provides audible (buzzer) and visual (LED) alerts when approaching (80%) and reaching/exceeding the target torque. Capable of storing up to 999 measurement data records.
- **Convenient Functions:** Equipped with a backlight for visibility in low-light conditions and an auto power-off function after 2 minutes of inactivity to conserve battery life. Operates on 2 AAA batteries for easy replacement.



Image: Overview of the GOYOJO Digital Torque Wrench's key features and display.

5. SETUP

5.1 Battery Installation

The GOYOJO Digital Torque Wrench requires 2 AAA batteries for operation. Ensure correct polarity when inserting the batteries.

5.2 Attaching Sockets/Adapters

The wrench features a push-button release mechanism for easy attachment and detachment of sockets or adapters. Simply press the button to secure or release the accessory.

3つの測定モードの切り替え可能



Mボタンで順次切り替わります

“T” モード トラック

※負荷を解放すると表示は0に戻ります。
最終到達トルク値を測定中に表示された数値を
ご覧下さい。

“P” モード ピークホールド

※負荷を解放すると最大値表示。
最大定格値/目標トルク値に到達をブザーが鳴り続け、
LEDが点灯します

“Pre” モード プレセットモード

※負荷を解放すると表示は0に戻ります。
最大定格値/目標トルク値に到達をブザーが鳴り続け、
LEDが点灯します

Image: Detail of the ratchet head and socket attachment mechanism.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

To power on the device, press the **C** button. The display will illuminate. The device will automatically power off after 2 minutes of inactivity.

Your browser does not support the video tag.

Video: Demonstrates how to power on the digital torque meter by pressing the 'C' button.

6.2 Unit Selection

Press the **U** button to cycle through the available measurement units: N·m, ft·lbf, in·lbf, and kgf·cm.



「US」単位切り替え機能

4単位(N.m / ft.lbf / in.lbf / kgf.cm)



Image: Illustrates the different torque units available on the display.

Your browser does not support the video tag.

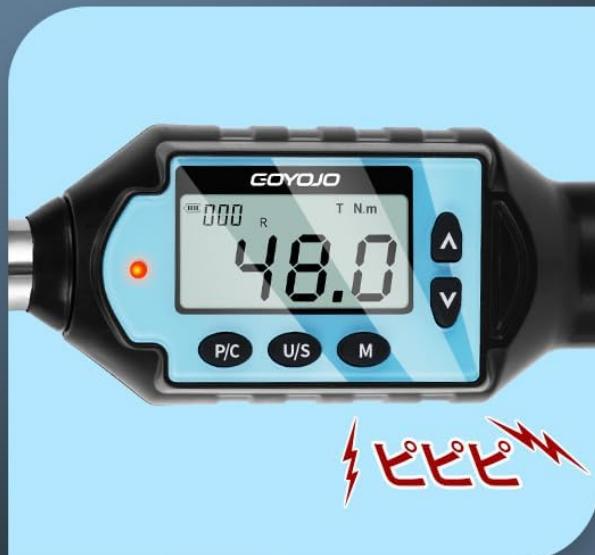
Video: Shows how to change measurement units using the 'U' button.

6.3 Mode Selection

Press the **P/T** button to switch between the three measurement modes:

- **Track (T) Mode:** Displays real-time torque values.
- **Peak Hold (P) Mode:** Captures and displays the maximum torque value applied during a measurement.
- **Preset (Pre) Mode:** Allows setting a target torque value, with alerts when approaching or reaching it.

Peak/Preモード目標 トルク値設定場合に



目標トルク値の80%に達すると断続したブザー音(ピピピ)が鳴りLEDが点滅します。

目標トルク値かまたは目標トルク値以上の時、連続したブザー音(ピーー)が鳴りLEDが点灯します。



Image: Explanation of the three operating modes.

Your browser does not support the video tag.

Video: Demonstrates switching between measurement modes using the P/T button.

6.4 Setting Torque Values (Preset Mode)

1. In Preset (Pre) Mode, press the **Up/Down** buttons to select one of the 9 target torque value groups.
2. Confirm the selected group, then press the **M** button to activate the group.

3. Use the **Up/Down** buttons to adjust the desired torque value. Press and hold for 2 seconds to enter rapid adjustment mode.
4. Once the adjustment is complete, press the **C** button to confirm and save the setting.



Image: Visual guide for setting target torque values and understanding alerts.

Your browser does not support the video tag.

Video: Detailed demonstration of setting torque values and confirming them.

6.5 Data Retrieval

1. Long-press the **M** button to activate data search mode.
2. Use the **Up/Down** buttons to browse through the saved torque data records.

Your browser does not support the video tag.

Video: Shows how to retrieve saved torque data records.

6.6 Data Deletion

1. Long-press the **M** button to activate data search mode.
2. Press the **U** button to enter the deletion screen. You will see "ALL" (delete all data) and "ONE" (delete individual data) options.
3. Select your desired deletion type, then press the **M** button again to execute the deletion. "SUCC" will be displayed upon successful deletion.

Your browser does not support the video tag.

Video: Demonstrates the process of deleting saved torque data.

7. MAINTENANCE

- **Cleaning:** Wipe the tool with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the torque wrench in its original protective case in a dry, clean environment away from direct sunlight and extreme temperatures.

- Calibration:** Torque wrenches require periodic calibration to maintain accuracy. It is recommended to have the tool calibrated annually by a professional.
- Battery Replacement:** Replace batteries when the low battery indicator appears on the display.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate readings	Exceeding measurement range. Impact or drop damage. Wear of internal components from prolonged use. Lack of regular calibration.	Ensure torque is within 0.3-10 Nm. Avoid dropping the tool. Contact customer support for repair or replacement if damaged. Have the tool professionally calibrated annually.
Display appears scratched or damaged	Protective film still on the screen.	Peel off the protective film from the LCD screen.
Tip of the wrench appears dirty or oily	Protective anti-rust oil applied.	This is not dirt but a protective anti-rust oil applied during manufacturing to prevent rust during transport and storage. It can be wiped off if desired.
Difficulty setting torque values precisely	Increment adjustment is too small (0.01 units).	Press and hold the Up/Down buttons for 2 seconds to enter rapid adjustment mode for faster changes. Familiarity with the setting process will improve speed.

9. SPECIFICATIONS

Feature	Detail
Brand	GOYOJO
Model Number	GM10-JP
Measurement Range	0.3 - 10 N·m
Drive Size	1/4 inch
Accuracy (Clockwise)	±2%
Accuracy (Counter-clockwise)	±2.5%
Measurement Modes	Track (T), Peak Hold (P), Preset (Pre)
Units of Measurement	N·m, ft·lbf, in·lbf, kgf·cm
Data Storage Capacity	Up to 999 records
Ratchet Head	72-tooth, Reversible
Material	Carbon Steel

Feature	Detail
Power Source	2 x AAA Batteries
Auto Power-Off	After 2 minutes of inactivity
Product Weight	780 g
Dimensions (Package)	34.2 x 8.7 x 5.9 cm

デジタルトルクレンチ主な仕様

サイズ	10 N.m	30 N.m	60 N.m	100 N.m
測定範囲	0.3~10N.m	0.9~30N.m	1.8~60N.m	3~100N.m
差込角 (inches)	1/4		3/8	1/2
本体サイズ (長さmm)	230		240	285
測定精度	時計回り±2% / 反時計回り±2.5%			
登録件数	999件			
3モード測定	トラック (T) / ピークホールド (P) / プレセット (Pre)			
4単位	N.m / ft.lbf / in.lbf / kgf.cm			
ヘッドラチエット	左右両方向			
電池	単4乾電池2本			



10. WARRANTY AND SUPPORT

The GOYOJO Digital Torque Wrench GM10-JP comes with a **1-year quality warranty** from the date of purchase. In the event of any initial defects or issues during use, please contact our customer support with your order number and product model. We offer free exchange or refund for initial product defects. Our dedicated support team will assist you.



Image: Warranty and customer support information.

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Related Documents - GM10-JP

 <p>MONOCULAR OUTDOOR THERMAL IMAGING TELESCOPE INSTRUCTION MANUAL</p> <p>GR225/GR235/GR325/GR335/GR335L</p>	<p>GOYOJO GR Series Thermal Imaging Monocular Instruction Manual</p> <p>Comprehensive instruction manual for GOYOJO GR225, GR235, GR325, GR335, and GR335L thermal imaging monoculars. Covers product operation, safety, maintenance, and features for outdoor thermal imaging applications.</p>
	<p>GOYOJO Thermal Imaging Monocular User Manual</p> <p>Comprehensive user manual for the GOYOJO Thermal Imaging Monocular, detailing safety instructions, product overview, performance specifications, operating instructions, maintenance, and device information.</p>
 <p>Water Activity Meter WA-160A Calibration</p> <ol style="list-style-type: none">Press the Power Key to turn on the meter.Put the meter on the standard cell, the reading 0.01 is displayed.The standard cell is 0.01, the reading is 0.01 higher.	<p>Water Activity Meter WA-160A Calibration Guide</p> <p>Step-by-step instructions for calibrating the GOYOJO Water Activity Meter WA-160A, ensuring accurate moisture readings.</p>

 <p>C10/C15 Infrared Thermal Imaging Telescope</p>	<p><u>GOYOJO C10/C15 Infrared Thermal Imaging Telescope User Manual</u></p> <p>User manual for the GOYOJO C10/C15 Infrared Thermal Imaging Telescope, covering important instructions, product specifications, button functions, settings, connectivity via the IR-TRACKER V app, charging, and warranty information.</p>
 <p>GRL SERIES USER MANUAL</p>	<p><u>GOYOJO GRL Series Thermal Imaging Scope User Manual - GRL325, GRL335</u></p> <p>Comprehensive user manual for the GOYOJO GRL Series thermal imaging scopes, detailing product description, specifications, operation, maintenance, and troubleshooting for models like GRL325 and GRL335.</p>
 <p>GRL SERIES USER MANUAL</p>	<p><u>GOYOJO GRL Series Thermal Scope User Manual</u></p> <p>This user manual provides comprehensive instructions for the GOYOJO GRL Series thermal scopes, detailing product features, specifications, installation, operation, maintenance, and troubleshooting for models like the GRL325 and GRL335.</p>