

## M7 GTW-940

# M7 GTW-940 1/2-inch Digital Torque Wrench Adapter User Manual

Model: GTW-940 | Brand: M7

## 1. INTRODUCTION

Thank you for choosing the M7 GTW-940 1/2-inch Digital Torque Wrench Adapter. This precision tool is designed to convert any standard 1/2-inch square drive ratchet wrench into a digital torque wrench, providing accurate and reliable torque measurements for various fastening tasks. It features multiple unit displays, audible and visual alerts, and advanced functions like Peak and Trace modes. Please read this manual thoroughly before operation to ensure safe and effective use.

## 2. SAFETY INFORMATION

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

- Wear appropriate personal protective equipment, such as safety glasses, when operating the tool.
- Do not exceed the maximum torque capacity of the adapter (200 Nm / 147.5 lb-ft).
- Ensure the adapter is securely attached to the ratchet and the fastener before applying torque.
- Keep the tool clean and free from oil, grease, and debris.
- Do not use the adapter if it is damaged or malfunctioning.
- Store the tool in a dry, secure place away from extreme temperatures and direct sunlight.
- This tool is designed for hand tools only. Do not use with impact wrenches or power tools.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- M7 GTW-940 Digital Torque Wrench Adapter
- Protective Storage Case
- User Manual (this document)



Image: The M7 GTW-940 Digital Torque Wrench Adapter stored in its protective case, displaying the unit conversion table on the lid.

## 4. PRODUCT OVERVIEW

### Components

The M7 GTW-940 features a compact design with an easy-to-read digital display and intuitive controls.



## DIGITAL TORQUE WRENCH ADAPTER

Image: A detailed view of the M7 GTW-940 adapter, highlighting its digital screen and button layout.

- **Digital Display:** Shows torque readings, selected units, and mode.
- **Control Buttons:** For power, unit selection, mode selection, and value adjustment.
- **1/2-inch Square Drive:** Input for connecting to a ratchet wrench.
- **1/2-inch Square Output:** Output for connecting to sockets or other accessories.
- **LED Indicator:** Provides visual alerts when target torque is reached.



Image: Various perspectives of the M7 GTW-940 adapter, showcasing its compact design and square drive ends.

## 5. SETUP

### Battery Installation

The M7 GTW-940 operates on batteries (not included). Locate the battery compartment, typically on the back or side of the unit. Insert the required batteries, ensuring correct polarity. Close the battery compartment securely.

### Attaching to Ratchet

To use the adapter, securely attach it to any standard 1/2-inch square drive ratchet wrench. Then, attach the appropriate socket or accessory to the output square drive of the adapter.



**Min. Scale Unit: 0.1 Nm**

**Units: N-m, Kg-cm, lb-ft, lb-in**

**Precision CW:  $\pm 1.5\%$**

**Precision CCW:  $\pm 2.5\%$**

**Storage Presets: 30**

**Max. Reverse Torque: 200**

**Setting Range: 10~200**

**Max. Torque Load/DIN Standards/Nm:  
798.0/512.0**

**Battery Life/Standby Mode: 1 year**

**Battery Life/Continuous Operation: 37 hours**

Image: The M7 GTW-940 adapter shown connected to a standard 1/2-inch drive ratchet wrench, ready for use.

## 6. OPERATING INSTRUCTIONS

### Power On/Off

Press and hold the power button (usually marked 'C' or 'Power') to turn the unit on or off. The unit will automatically power off after 2 minutes of inactivity to conserve battery life.

### Unit Selection

Press the 'U/S' (Unit/Set) button to cycle through the available torque units: lb-ft, N-m, Kg-cm, and lb-in. Select the desired unit for your measurement.

### Mode Selection (Peak/Trace)

Press the 'M/F' (Mode/Function) button to switch between operating modes:



- **Trace Mode:** Displays the real-time torque value as it is applied.
- **Peak Mode:** Captures and displays the maximum torque value reached during the fastening process.

## Setting Target Torque

In the desired mode, use the up/down arrow buttons to set your target torque value. The display will show the set value.

## Torque Application and Alert

Apply torque to the fastener. As you approach the target torque, the adapter will provide audible and visual notifications (flashing LED) to indicate when the desired torque setting is reached. Stop applying force once the alert activates to avoid over-torquing.

## Storing Presets

The adapter can store up to 30 frequently used settings. Refer to the detailed instructions in the full manual for saving and recalling preset values.



**The M7 GTW-940 Digital Torque Wrench Adapter is more than just a tool; it's a partner in precision, designed to elevate the accuracy and efficiency of your work.**

Image: The M7 GTW-940 adapter actively being used to tighten a lug nut on a vehicle wheel, demonstrating its practical application.

## 7. MAINTENANCE

- **Cleaning:** Wipe the adapter with a clean, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the adapter in its protective case in a cool, dry place when not in use.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Remove batteries if the tool will not be used for an extended period.
- **Calibration:** For optimal accuracy, periodic calibration by a qualified service center is recommended.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Dead or incorrectly installed batteries.	Check battery polarity or replace batteries.
Inaccurate readings.	Needs calibration; improper use.	Contact service center for calibration; ensure proper technique and secure connections.
No audible/visual alert.	Alert function disabled; unit malfunction.	Check settings to ensure alerts are enabled; if problem persists, contact support.
Display is blank or flickering.	Low battery; environmental conditions.	Replace batteries; operate within specified temperature range.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	GTW-940
Drive Size	1/2-inch Square
Torque Range	10-200 Nm (7.38-147.5 lb-ft)
Accuracy (CW)	±1.5%
Accuracy (CCW)	±2.5%
Units of Measure	N-m, Kg-cm, lb-ft, lb-in
Min. Scale Unit	0.1 Nm



Feature	Detail
Storage Presets	30
Max. Reverse Torque	200
Operation Mode	Battery
Battery Life (Standby)	1 year
Battery Life (Continuous)	37 hours
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Material	Alloy Steel
Item Weight	1.05 pounds
Product Dimensions	2 x 3 x 4 inches

## TECHNICAL SPECS

Min. Scale Unit:	0.1 Nm
Units:	N-m, Kg-cm, lb-ft, lb-in
Precision CW:	±1.5%
Precision CCW:	±2.5%
Storage Presets:	30
Max. Reverse Torque:	200
Setting Range:	10~200
Max. Torque Load/DIN Standards/Nm:	798.0/512.0
Battery Life/Standby Mode:	1 year
Battery Life/Continuous Operation:	37 hours
Operating Temperature:	-10°C~60°C
Storage Temperature:	-20°C~70°C

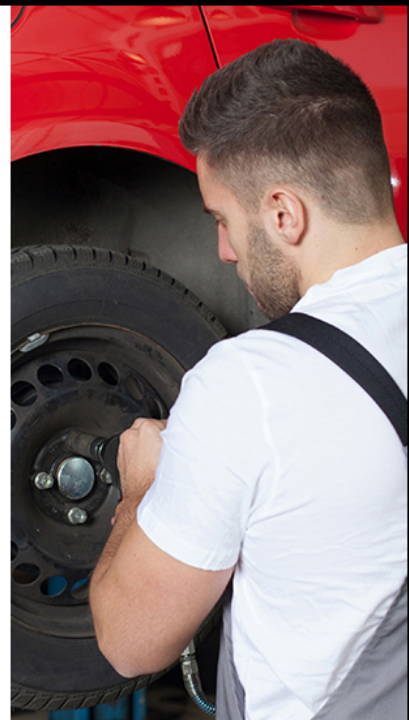


Image: A visual representation of the M7 GTW-940's technical specifications, alongside a mechanic performing work on a vehicle.

## 10. WARRANTY AND SUPPORT

M7 products are built for durability and reliability. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms, claims, or technical support, please refer to the warranty card included with your product or visit the official M7 website. You may also contact the seller directly for assistance.

For further inquiries or assistance, please visit the [M7 Store on Amazon](#).

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