

YIYEIE Y0098

YIYEIE Digital Torque Adapter User Manual

MODEL: Y0098 (40-300 FT-LB / 54.5-406 Nm)

Brand: YIYEIE

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1. PRODUCT OVERVIEW

The YIYEIE Digital Torque Adapter Model Y0098 is a precision tool designed to convert any standard ratchet into a digital torque wrench. It provides accurate torque measurements for various applications, including automotive, mechanical, and machinery repairs. Featuring a clear LCD color screen, multiple measurement units, and data storage capabilities, this adapter ensures precise and reliable torque application.

Torque Range of 40-300 Ft-lb



Figure 1: YIYEIE Digital Torque Adapter with key features highlighted.

2. KEY FEATURES

- **Intuitive 1.4-inch LCD Color Screen:** Offers enhanced visibility with adjustable screen colors (green, blue, red) to indicate torque progression.
- **Smart Alert System:** Provides visual and audible alerts (buzzer) when torque reaches 80%, 90%, and 100% of the preset value, preventing over-torquing.
- **Multiple Operating Modes:** Supports Peak mode (displays maximum applied force), Track mode (real-time display of applied force), and Preset modes for versatile use.
- **Five Selectable Units:** Easily switch between N-m, lb-ft, lb-in, kg-cm, and kg-m to suit different measurement requirements.
- **30 Preset Groups:** Allows users to store and quickly access up to 30 different torque values for repetitive tasks.
- **Data Management:** Stores up to 500 data sets, enabling easy review and deletion for quality control and analysis.
- **High Precision:** Achieves $\pm 1\%$ accuracy clockwise and $\pm 2\%$ accuracy counterclockwise, calibrated to ASME & DIN-

ISO traceable standards.

- **Durable Construction:** Crafted from Chrome Vanadium Steel for enhanced rust and corrosion resistance.
- **Versatile Compatibility:** Features a 1/2" drive head and includes 1/4" and 3/8" adapters for compatibility with various tools and torque wrenches.
- **Power Saving:** Equipped with a 3-minute auto-shutdown feature to conserve battery life.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- YIYEIE Digital Torque Adapter (Model Y0098)
- 1/2" to 1/4" Adapter
- 1/2" to 3/8" Adapter
- Instruction Manual
- Storage Case



Figure 2: All components included in the YIYEIE Digital Torque Adapter package.

4. SETUP INSTRUCTIONS

4.1 Battery Installation

The digital torque adapter requires batteries for operation. Ensure fresh Alkaline batteries are installed correctly.

1. Locate the battery compartment on the back of the device.
2. Open the battery cover.
3. Insert the required Alkaline batteries, observing the correct polarity (+/-) as indicated inside the compartment.
4. Close the battery cover securely.

4.2 Attaching to a Ratchet

The adapter is designed to be used with a standard ratchet wrench.

1. Select a ratchet wrench with a 1/2-inch drive. If your ratchet has a different drive size, use the included 1/4-inch or 3/8-inch adapters.
2. Insert the square drive of the digital torque adapter into the drive head of your ratchet wrench. Ensure it is securely seated.
3. Attach the appropriate socket or extension bar to the output square drive of the digital torque adapter.



Figure 3: The digital torque adapter connected to a ratchet, illustrating its compatibility with various tools and adapters.

5. OPERATING INSTRUCTIONS

5.1 Button Functions

Familiarize yourself with the buttons on the digital torque adapter:

Product Introduction

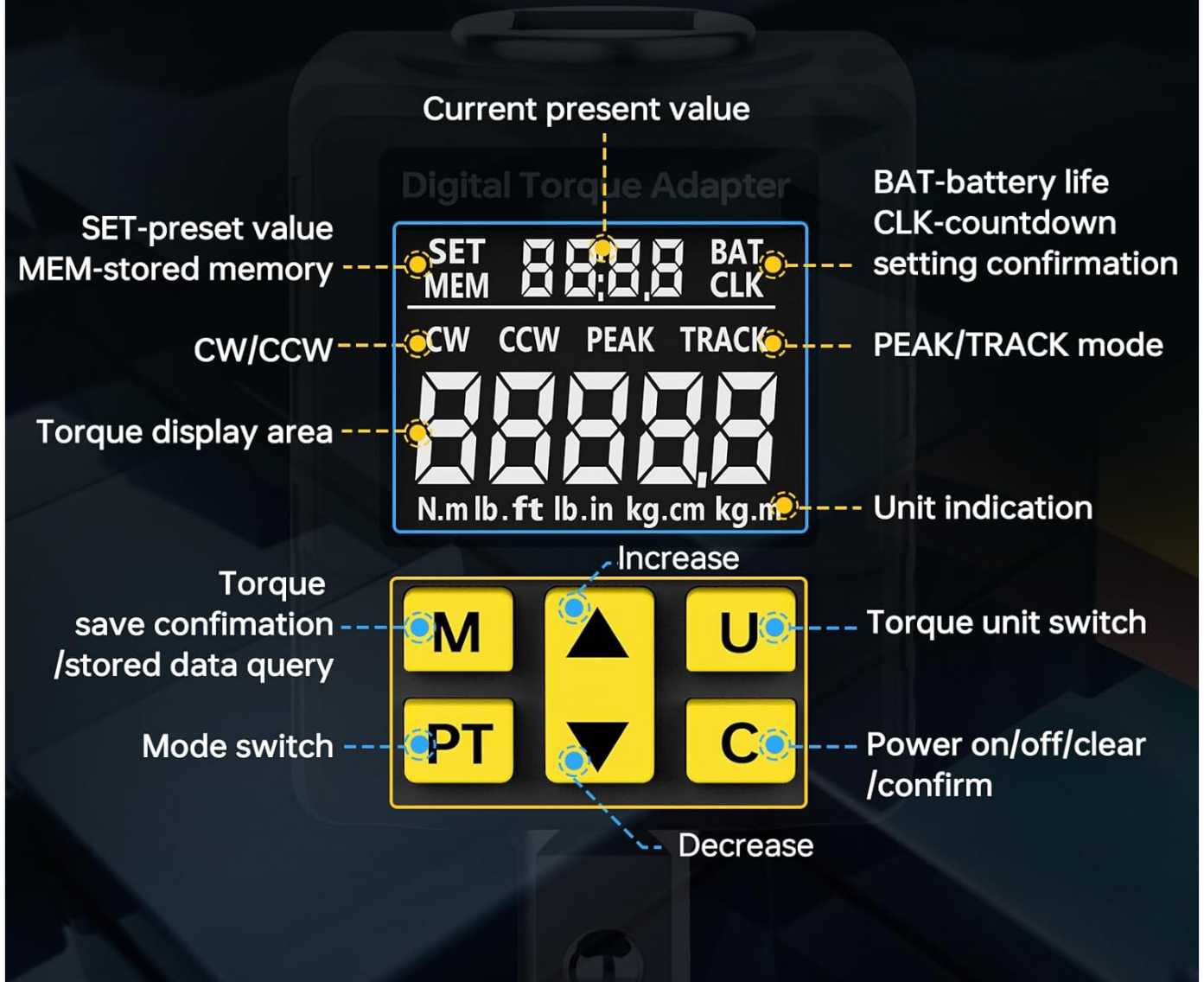


Figure 4: Detailed diagram of the digital torque adapter's display and button functions.

- **'M' (Mode Switch):** Cycles through Peak, Track, and Preset modes.
- **'PT' (Preset/Memory):** Used to set preset torque values and access stored data.
- **Up/Down Arrows:** Adjusts torque values in Preset mode or navigates through stored data.
- **'U' (Unit Switch):** Changes the measurement unit (N·m, lb·ft, lb·in, kg·cm, kg·m). Long press to switch LCD screen color.
- **'C' (Power On/Off/Clear/Confirm):** Powers the device on/off, clears current readings, or confirms settings.

5.2 Power On/Off

Press the 'C' button to power on the device. The device will automatically shut down after 3 minutes of inactivity to save power.

5.3 Selecting Measurement Units

Press the 'U' button repeatedly to cycle through the available measurement units: N·m, lb·ft, lb·in, kg·cm, kg·m.

Five Units Selectable



Figure 5: The digital torque adapter showing the selection of five different torque units.

5.4 Operating Modes (Peak / Track)

Press the 'M' button to switch between Peak and Track modes.

- **Peak Mode:** Displays the maximum torque value applied during the tightening process. The reading will hold at the highest value achieved.
- **Track Mode:** Provides a real-time display of the applied torque as you tighten. The reading changes dynamically with the force applied.

Track/Peak Mode



Figure 6: Comparison of Peak mode (displaying maximum torque) and Track mode (displaying real-time torque).

5.5 Setting Preset Torque Values

The adapter allows you to set up to 30 preset torque values.

1. Press the 'PT' button to enter Preset mode.
2. Use the Up/Down arrow buttons to select a preset group (e.g., SET 01, SET 02).
3. Press 'PT' again to adjust the torque value for the selected preset. Use the Up/Down arrows to set the desired torque.
4. Press 'C' to confirm and save the preset value.

5.6 Smart Alerts and LCD Color

The device provides visual and audible alerts to guide you during torque application.

- **80% of Target Torque:** Screen turns green with an intermittent beep.
- **90% of Target Torque:** Screen turns blue with a quicker beep.

- **100% of Target Torque:** Screen turns red with a constant beep.

To manually switch the LCD screen color, long press the 'U' button.



Figure 7: The digital torque adapter's LCD screen changing colors and emitting buzzer alerts at different torque percentages.

5.7 Data Storage and Management

The adapter can store up to 500 data sets.

1. To view stored data, press the 'PT' button and then use the Up/Down arrows to scroll through the memory locations (MEM -001, MEM -002, etc.).
2. To delete stored data, refer to the detailed instructions in the included user manual for specific steps.



Figure 8: The digital torque adapter displaying preset values and indicating storage for up to 500 data groups.

6. MAINTENANCE

6.1 Cleaning

Wipe the device with a clean, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the display or housing.

6.2 Storage

When not in use, store the digital torque adapter in its protective carrying case in a dry, cool place, away from direct sunlight and extreme temperatures. Remove batteries if the device will not be used for an extended period to prevent leakage.

6.3 Calibration

The YIYEIE Digital Torque Adapter is factory calibrated to ASME & DIN-ISO traceable standards. For continued accuracy,

periodic re-calibration by a qualified service center is recommended, especially after heavy use or if accuracy is suspected to be compromised.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Dead or incorrectly installed batteries	Replace batteries with new Alkaline batteries, ensuring correct polarity.
Inaccurate torque readings	Incorrect unit selected; Device needs re-calibration; Adapter not securely attached	Check and select the correct measurement unit. Consider professional re-calibration. Ensure the adapter is firmly seated on the ratchet.
Display is dim or flickering	Low battery power	Replace batteries.
Buzzer not sounding	Buzzer may be disabled (if applicable); Device malfunction	Check user manual for buzzer settings. If problem persists, contact customer support.

8. SPECIFICATIONS

Attribute	Detail
Model Number	Y0098
Brand	YIYEIE
Torque Range	40-300 Ft-lb / 54.5-406 Nm
Drive Size	1/2-Inch (includes 1/4" and 3/8" adapters)
Accuracy	±1% Clockwise, ±2% Counterclockwise
Measurement Units	N·m, lb·ft, lb·in, kg·cm, kg·m
Display	1.4-inch LCD Color Screen
Operating Modes	Peak, Track, Preset
Preset Groups	30
Data Storage	Up to 500 sets
Auto-Shutdown	3 minutes of inactivity
Material	Chrome Vanadium Steel, Plastic
Battery Type	Alkaline (Batteries Included: Yes)

Attribute	Detail
Item Weight	1.19 pounds
Package Dimensions	6.22 x 5.08 x 2.44 inches

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the original product packaging or visit the official YIYEIE website. Keep your purchase receipt as proof of purchase for warranty claims.

