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YIYEIE Y0096

YIYEIE Digital Torque Adapter User Manual

Model: Y0096 (7.5-150 Ft-lb / 10-203 Nm)

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1. OVERVIEW

The YIYEIE Digital Torque Adapter (Model Y0096) is a precision tool designed for accurate torque measurement in various applications, including automotive, mechanical, and pipeline work. It converts any standard ratchet or breaker bar into a digital torque wrench, offering advanced features such as smart alerts, multiple measurement units, preset torque values, and data storage capabilities. Crafted from durable Chrome Vanadium Steel, this adapter ensures reliability and precision for critical fastening tasks.

2. PACKAGE CONTENTS

The package includes the following items:

- Digital Torque Adapter (Model Y0096)
- 1/2" to 1/4" Adapter
- 1/2" to 3/8" Adapter
- Instruction Manual
- Storage Case
- Batteries (2x AAA)



Image: Digital Torque Adapter, storage case, adapters, and instruction manual.

3. PRODUCT FEATURES

- **Intuitive Display with Smart Alerts:** Features a 1.4-inch LCD color screen with adjustable backlight (green, blue, red). The screen color and buzzer alerts change at 80%, 90%, and 100% of the preset torque value to prevent over-torquing.
- **30 Preset & Data Management:** Allows users to set and switch between 30 different preset torque values. Stores up to 500 data sets for review and deletion, aiding in quality control.
- **Easy Operation & Storage:** Supports multiple functions (Peak, Track, Preset Modes) and 5 units (N-m, lb-ft, lb-in, kg-cm, kg-m). Includes a 3-minute auto-shutdown feature for power saving and comes with a portable carrying case.
- **Precision & Robust Construction:** Offers $\pm 1\%$ clockwise and $\pm 2\%$ counterclockwise accuracy. Constructed from Chrome Vanadium Steel for enhanced rust and corrosion resistance. Calibrated to ASME & DIN-ISO

traceable standards with an included calibration certificate.

- **Versatile Compatibility & Universal Fit:** Equipped with a 1/2" drive head and includes 1/4" and 3/8" adapters for compatibility with various tools and torque wrenches.

Torque Range of 7.5-150 Ft-lb

±2% Accuracy: **±2%**

5 5 Units

T/P T/P Modes

Smart Alert

Data Storage

30 30 Preset Value

Image: Key features of the Digital Torque Adapter.

4. SETUP

4.1. Battery Installation

The device requires two AAA batteries. Use the provided screwdriver to open the battery compartment on the back of the unit. Insert the batteries according to the polarity markings, then close the compartment and secure it with the screw.

4.2. Power On/Off

- **To Power On:** Press the **C** button. The device will beep, and the screen will display three colors in sequence before entering the work interface.
- **To Manually Shut Down:** Press and hold the **C** button for 3 seconds.
- **Automatic Shutdown:** The digital torque adapter will automatically shut down after 120 seconds (2 minutes) of inactivity when no force is applied.

Product Introduction

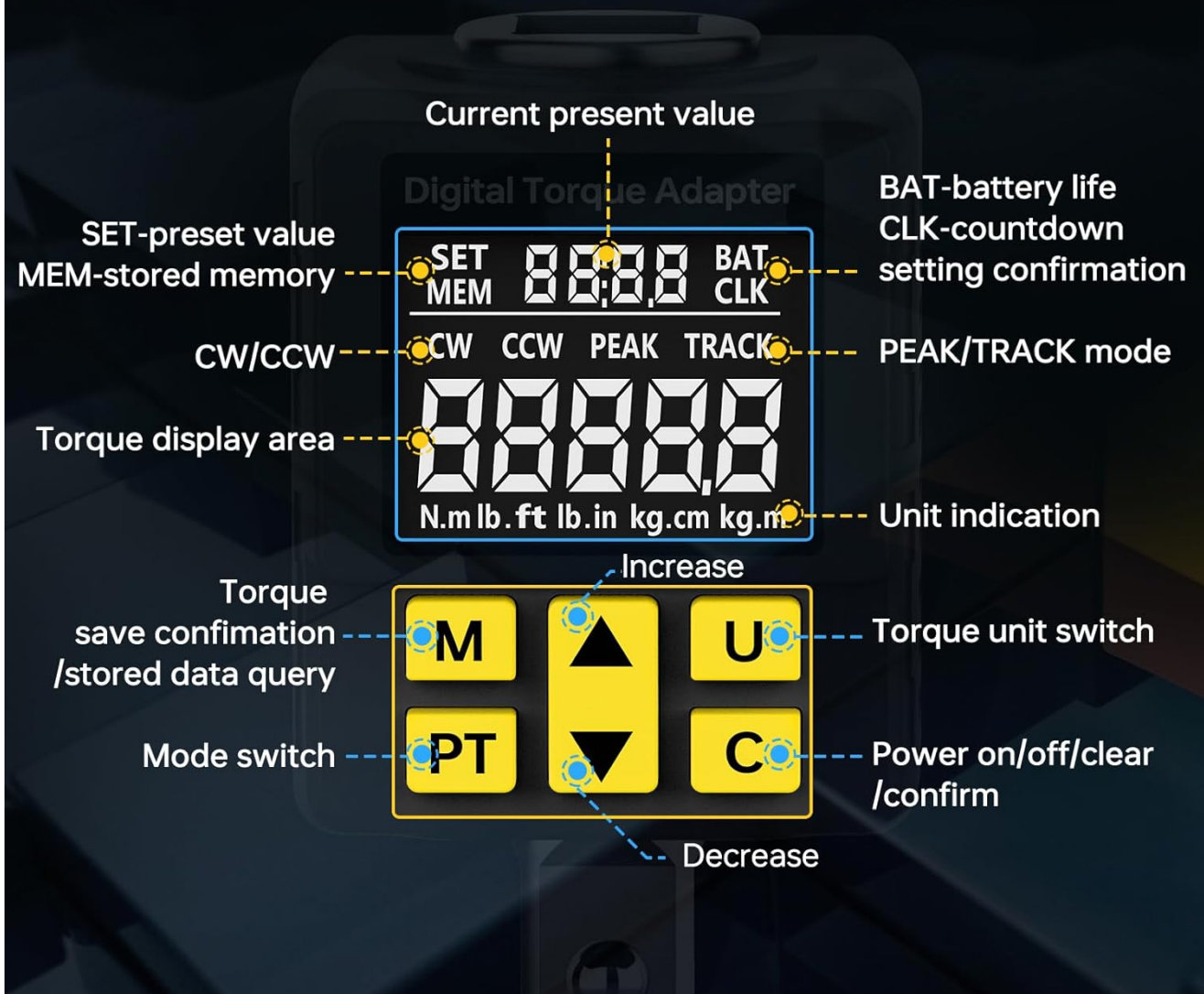


Image: Overview of the adapter's display and button functions.

4.3. Unit Switching

To switch between torque units (N·m, lb·ft, lb·in, kg·cm, kg·m), press the **U** button. The display will cycle through the available units.

Five Units Selectable



Image: Display showing selectable torque units.

4.4. Mode Switching (Peak/Track)

Press the **PT** button to switch between Peak Mode and Track Mode:

- **Peak Mode:** Displays the maximum torque value applied. The value remains on the screen until reset or a new force is applied.
- **Track Mode:** Displays the torque value in real-time as force is applied.

Track/Peak Mode



Image: Comparison of Peak Mode and Track Mode displays.

4.5. Setting Torque Value (Preset)

The device can store up to 30 sets of common torque values. To set a preset value:

1. Press the **Up** or **Down** arrow buttons to activate the torque setting data interface.
2. Use the **Up** or **Down** arrow buttons to increase or decrease the preset value.
3. Press the **C** button to confirm the torque value.
4. To check previous or next preset values, use the **M** (previous) and **PT** (next) buttons.



Image: Display illustrating preset torque values and data storage.

5. OPERATING INSTRUCTIONS

5.1. Attaching the Adapter

Attach the YIYEIE Digital Torque Adapter to your 1/2" drive ratchet or breaker bar. Use the included 1/4" or 3/8" adapters if your tool has a different drive size. Ensure the adapter is securely seated.

High Compatibility



Image: Adapter connected to a ratchet, showing compatibility with different drive sizes and tools.

5.2. Applying Torque with Smart Alerts

Once the desired torque value is set (or a preset is selected) and the mode (Peak or Track) is chosen, begin applying force to your fastener. The LCD screen will provide visual and audible alerts:

- **80% Target Torque:** Screen turns **green** with an intermittent beep.
- **90% Target Torque:** Screen turns **blue** with a quicker beep.
- **100% Target Torque:** Screen turns **red** with a constant beep.

These alerts help prevent over-torquing and ensure precise fastening.

Buzzer & LCD Color Alarm

Tips: Long press "U" to switch 3 colors

30-45dB



Image: Visual and audible alerts during torque application.

5.3. Data Storage (Memory)

The adapter can store up to 500 sets of torque data. To save a torque value (typically in Peak Mode), press the **M** button. The stored data can be reviewed later by pressing and holding the **M** button to enter the data checking interface, then using the arrow buttons to navigate.

6. MAINTENANCE

- **Cleaning:** Clean the device with a dry, soft cloth. Do not use organic solvents (e.g., alcohol, paint thinner) or immerse in water.
- **Storage:** Store the adapter in its portable carrying case in a dry, cool place, away from high temperatures, humidity, or direct sunlight. Avoid placing near magnetic objects.
- **Re-calibration:** Re-calibration is recommended once a year to maintain accuracy.

7. TROUBLESHOOTING

- **Device Not Powering On:** Check battery installation and ensure batteries are not depleted. Replace if necessary.
- **Inaccurate Readings:** Ensure the device is properly calibrated. Avoid applying force to the LCD display screen.
- **No Alerts:** Verify that the preset torque value is correctly set and the device is in the appropriate mode (Peak or Track).

8. SPECIFICATIONS

Attribute	Value
Model	Y0096
Torque Range	7.5-150 Ft-lb / 10-203 Nm
Accuracy	±1% Clockwise, ±2% Counterclockwise
Drive Size	1/2-Inch (with 1/4" and 3/8" adapters)
Material	Chrome Vanadium Steel
Display	1.4-inch LCD Color Screen
Units	N·m, lb·ft, lb·in, kg·cm, kg·m
Preset Groups	30
Data Storage	Up to 500 sets
Auto-Shutdown	3 minutes (120 seconds of inactivity)
Power Source	2x AAA Alkaline Batteries (Included)
Item Weight	1.1 Pounds
Package Dimensions	6.18 x 5.12 x 2.6 inches

9. WARRANTY & SUPPORT

For warranty information, technical support, or inquiries, please refer to the contact details provided in your product packaging or the official YIYEIE website. Ensure to keep your purchase receipt for any warranty claims.

Contact information found in the manual (from video 2):

- **UK Representative:** YH Consulting Limited, C/O YH Consulting Limited Office, 147 Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX. Tel: +44 07514 - 677868. Info: H2YHUK@gmail.com
- **EC Representative:** Apex CE Specialists GmbH, Habichtweg 1 41468 Neuss Germany. Tel: +353212066339. Info: info@apex-ce.com