

YIYEIE Y0033

YIYEIE Digital Torque Screwdriver (Model Y0033) Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your YIYEIE Digital Torque Screwdriver. This precision tool is designed for accurate torque application, preventing damage from over-tightening or under-tightening fasteners. Please read this manual thoroughly before operation and retain it for future reference.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Digital Torque Screwdriver (0.3-6 Nm / 2.66-53.1 in-lbs)
- 1 x Bit Adapter
- 1 x Extension Bar
- 1 x Screwdriver Handle
- 20 x Screwdriver Bits (PH0, PH1, PH2, T8, T10, T15, T20, T25, T30, H2, H2.5, H3, H4, H5, H6, H8, SL3, SL4, SL5)
- 5 x 6-Point Sockets
- 2 x AAA Batteries
- 1 x Storage Case
- 1 x Product Manual (this document)

SETUP

1. Battery Installation

The digital torque screwdriver requires 2 AAA batteries for operation. Ensure correct polarity when inserting the batteries.

1. Locate the battery compartment cover, usually at the base of the handle.
2. Open the cover and insert 2 AAA batteries, matching the (+) and (-) terminals as indicated.
3. Close the battery compartment cover securely.

2. Attaching Bits and Sockets

The screwdriver features a quick-release design for easy bit and socket changes.



Figure 1: Digital torque screwdriver with included bits and sockets, demonstrating the magnetic 1/4 inch hex and quick-release mechanism.

1. Select the appropriate screwdriver bit or socket for your task.
2. Insert the bit or socket into the 1/4 inch hex drive of the screwdriver. The magnetic feature will help secure it.
3. Ensure the bit or socket is fully seated and locked in place before use.

OPERATING INSTRUCTIONS

1. Power On/Off

Press the 'M' button to power on the device. The LCD display will illuminate. To power off, press and hold the 'M' button for a few seconds.

2. Unit Selection

The screwdriver supports four measurement units: Nm, in-lb, ft-lb, and kg-cm.



Figure 2: Pressing the 'U' button to cycle through measurement units.

Press the 'U' button to cycle through the available units until your desired unit is displayed on the LCD screen.

3. Mode Selection (Track & Peak)

The screwdriver offers two primary operating modes: Track mode and Peak mode.

Multiple Use



Firearms maintenance



Computer repair



Precision instruments



Mechanical maintenance

Figure 3: Switching between Track and Peak modes.

- **Track Mode:** Displays the real-time torque value as force is applied. This is useful for monitoring torque during the tightening process.
- **Peak Mode:** Records and displays the maximum torque value achieved during a tightening operation. Up to 500 torque values can be automatically recorded in this mode.

To switch between Track and Peak modes, long press the **U** button, then press the '**^**' or '**v**' buttons to select the desired mode.

4. Setting a Target Torque Value (Preset Mode)

The screwdriver allows you to set a target torque value and provides an alert when it is reached.



Figure 4: Digital display showing a preset torque value and alarm indicators.

1. Press the **M** button to enter Preset mode.
2. Use the '**^**' and '**v**' buttons to adjust the target torque value.
3. Once the desired value is set, press **M** again to confirm or wait a few seconds for it to auto-confirm.
4. When applying torque, the device will emit a beep and illuminate an LED indicator as you approach and reach the preset value, signaling you to stop applying force to prevent over-torquing.

The screwdriver has 6 preset modes (M1 to M6) for quickly switching between commonly used torque values.

5. Applying Torque

Hold the screwdriver firmly by its non-slip handle. Apply steady, controlled force to the fastener. Observe the LCD display for real-time torque values (Track mode) or wait for the alarm (Preset mode) to indicate the target torque has been reached.



Figure 5: Proper grip and application of torque.

MAINTENANCE

- **Cleaning:** Wipe the screwdriver with a clean, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tool in its provided storage case in a dry environment, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **Calibration:** This digital torque screwdriver includes a calibration certificate. For continued accuracy, periodic re-calibration by a qualified service center is recommended, especially after heavy use or impact.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears on the display to ensure accurate readings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new AAA batteries.
Inaccurate torque readings.	Low battery, tool needs calibration, or improper usage.	Replace batteries. Consider professional re-calibration. Ensure steady force application.
Buzzer/LED alarm not activating.	Preset torque value not set or too high.	Verify the target torque is correctly set in Preset mode and is within the tool's range.
Bits/sockets not holding securely.	Bit not fully inserted or magnetic drive is worn.	Ensure bits are fully seated. If issue persists, contact support.

SPECIFICATIONS

- **Model Number:** Y0033
- **Torque Range:** 2.66-53.1 in-lbs / 0.3-6 Nm
- **Accuracy:** CW $\pm 2\%$, CCW $\pm 3\%$
- **Measurement Units:** Nm, in-lb, ft-lb, kg-cm
- **Display:** Backlit LCD
- **Alarm:** Buzzer and LED Indicator
- **Preset Modes:** 6 (M1-M6)
- **Data Storage:** Up to 500 torque values (Peak mode)
- **Material:** Chrome Vanadium Steel, Plastic
- **Power Source:** 2 x AAA Batteries
- **Standards:** Exceeds ASME & DIN-ISO Standards
- **Dimensions:** Approximately 35.56 x 12.7 x 6.35 cm (14 x 5 x 2.5 inches)
- **Weight:** Approximately 907 g (2 lbs)

WARRANTY AND SUPPORT

The YIYEIE Digital Torque Screwdriver is manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official YIYEIE website.

Please retain your purchase receipt as proof of purchase for any warranty claims.