

CRAFTSMAN CMMT99436

CRAFTSMAN CMMT99436 1/2-Inch Digital Torque Wrench User Manual

Model: CMMT99436 | Brand: CRAFTSMAN

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and care of your CRAFTSMAN CMMT99436 1/2-Inch Digital Torque Wrench. Please read this manual thoroughly before using the tool and retain it for future reference.

The CRAFTSMAN 1/2-Inch Digital Torque Wrench is designed for precision torque applications, offering convenience by converting torque measurements between foot-pounds (ft./lb.), inch-pounds (in./lb.), and Newton-meters (Nm) with ease. Its LED backlit screen ensures clear readability of every readout, even in dimly lit environments.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses, when operating this tool.
- Ensure the workpiece is stable and secured before applying torque.
- Do not exceed the maximum torque capacity of 250 ft./lb.
- Avoid using the torque wrench as a breaker bar or for loosening fasteners.
- Keep the tool clean and dry. Do not expose it to excessive moisture or extreme temperatures.
- Store the tool in its protective case when not in use.

3. COMPONENTS OVERVIEW

The CRAFTSMAN CMMT99436 Digital Torque Wrench consists of the following main components:

- **Drive Head:** 1/2-inch square drive for sockets.
- **Shaft:** Durable metal construction.
- **Digital Display:** LED backlit screen for torque readings.
- **Control Panel:** Buttons for power, unit selection, and setting adjustments.
- **Ergonomic Handle:** Provides a comfortable and secure grip.
- **Battery Compartment:** Located at the end of the handle.



Figure 1: Full view of the CRAFTSMAN CMMT99436 Digital Torque Wrench.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cap at the end of the handle.
2. Unscrew or unclip the cap to open the compartment.
3. Insert the required batteries (typically AA, refer to packaging for exact type) ensuring correct polarity (+/-).
4. Replace the compartment cap and secure it.

4.2 Initial Calibration

For optimal accuracy, ensure the wrench is calibrated before first use and periodically thereafter. Place the wrench on a flat, level surface. Press and hold the 'C' (Calibration) button until the display shows '0000' or a similar calibration indicator. This process zeros the sensor, preparing it for accurate measurements.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To power on, press the power button (usually marked with a power symbol or 'C'). The display will light up.
- To power off, press and hold the power button until the display turns off. The wrench may also have an auto-shutoff feature after a period of inactivity.

5.2 Unit Selection

Press the 'U/S' (Unit/Setting) button to cycle through available measurement units: ft./lb., in./lb., Nm, and degrees (for angle measurement). Select the desired unit for your application.

EASY READOUT

LED BACKLIT SCREEN



Figure 2: Digital display and control panel for unit selection.

5.3 Setting Target Torque/Angle

- Use the arrow buttons (up/down) on the control panel to adjust the target torque value or angle.
- The display will show the set value.

5.4 Applying Torque

1. Attach the appropriate socket to the 1/2-inch drive head.
2. Place the socket onto the fastener.
3. Apply steady, smooth force to the handle. The digital display will show the real-time torque being applied.
4. As you approach the target torque, the wrench will provide audible beeps and visual indicators (e.g., green LED) to alert you.
5. Once the target torque is reached, the wrench will emit a continuous tone and/or a red LED will illuminate, indicating that you should stop applying force. This 'click style' feedback helps prevent over-tightening.



Figure 3: The drive head and 'click style' mechanism for precise torque application.

5.5 Clockwise/Counter-clockwise Usage

The wrench is designed to measure torque in both clockwise and counter-clockwise directions. Ensure the ratchet direction switch on the drive head is set correctly for your application.

6. MAINTENANCE

- **Cleaning:** Wipe the wrench with a clean, dry cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the torque wrench in its original durable clear case in a dry, temperature-controlled environment. Remove batteries if storing for extended periods to prevent leakage.
- **Calibration:** Digital torque wrenches should be recalibrated periodically by a qualified service center to maintain accuracy. Refer to the manufacturer's recommendations for calibration intervals.



FAST TORQUE CHANGES

CONVERTS TORQUE AT THE TOUCH OF A BUTTON

Figure 4: The CRAFTSMAN Digital Torque Wrench stored in its durable clear case for quick identification and protection.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display not working	Dead or incorrectly installed batteries	Replace batteries, ensuring correct polarity.
Inaccurate readings	Needs calibration; improper technique	Perform initial calibration (Section 4.2). Ensure smooth, steady force application.
No audible/visual alert	Settings adjusted; low battery	Check settings for alert activation. Replace batteries.

8. SPECIFICATIONS

- **Model Number:** CMMT99436
- **Brand:** CRAFTSMAN

- **Drive Size:** 1/2-Inch
- **Torque Range:** 50-250 ft./lb.
- **Measurement Standards:** SAE (ft./lb., in./lb.), Metric (Nm)
- **Head Style:** Fixed Square
- **Operation Mode:** Electric (Digital)
- **Ratcheting:** Yes
- **Material:** Metal
- **Finish:** Powder Coated
- **Item Length:** 29.64 Inches
- **Item Weight:** 5 Pounds
- **Included Components:** (1) Torque Wrench
- **Compliance:** Meets or Exceeds ASME Specifications

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official CRAFTSMAN website or contact their customer service department. Keep your purchase receipt as proof of purchase.
