

Tohnichi CPT100X15D-G-SET

Tohnichi CPT100X15D-G-SET Digital Torque Wrench User Manual

Model: CPT100X15D-G-SET

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of the Tohnichi CPT100X15D-G-SET Digital Torque Wrench. This precision instrument is designed for accurate torque measurement and tightening applications, featuring digital display, multiple unit conversions, and data storage capabilities.

2. SAFETY INFORMATION

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

- Read and understand all instructions before operating the torque wrench.
- Wear appropriate personal protective equipment, such as safety glasses.
- Do not exceed the maximum torque capacity of the wrench.
- Ensure the workpiece is securely fastened before applying torque.
- Keep the tool clean and free from oil, grease, or other contaminants.
- Do not use the wrench if it is damaged or malfunctioning.
- Store the wrench in its protective case when not in use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Tohnichi CPT100X15D-G-SET Digital Torque Wrench
- Plastic Storage Case
- Certificate of Calibration
- 2 x AA Batteries
- Ratchet Head (1/2 inch square drive)



Figure 1: The Tohnichi CPT100X15D-G-SET Digital Torque Wrench, along with its accessories, neatly stored in its durable plastic case.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the handle of the torque wrench.
2. Open the cover and insert two AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

4.2 Attaching the Ratchet Head

The CPT100X15D-G-SET comes with a 1/2 inch square drive ratchet head. Align the ratchet head with the drive mechanism on the wrench body and push firmly until it clicks into place. Ensure it is securely attached before use.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To power on, press the **POWER** button. The display will illuminate.
- To power off, press and hold the **POWER** button until the display turns off. The wrench will automatically power off after a period of inactivity to conserve battery life.

5.2 Unit Conversion

The wrench supports multiple units of measure. Press the **UNIT** button to cycle through the available units:

- Nm (Newton-meters)
- kgf.cm (kilogram-force centimeters)
- kgf.m (kilogram-force meters)
- lbf.in (pound-force inches)
- lbf.ft (pound-force feet)

5.3 Setting Target Torque Values

The CPT100X15D-G-SET allows you to set up to 10 different target torque values. Use the keypad to navigate and set your desired torque. The display will show the current setting.



Figure 2: Digital display showing a torque value and visual indicators for reaching the target torque.

5.4 Applying Torque

1. Select the desired target torque value and unit.
2. Attach the appropriate socket or accessory to the ratchet head.
3. Place the socket onto the fastener.

- 4. Apply smooth, steady force to the wrench handle. The digital display will show the real-time torque value.
- 5. When the target torque is reached, the wrench will provide a visual and/or audible indication (refer to specific model features for exact indicators).
- 6. Stop applying force immediately once the target torque is achieved.

5.5 Data Storage and Download

The wrench can store up to 50 torque data points. These stored data points can be downloaded via the RS232 port. A separate RS232 cable (#585) is required for data transfer and is sold separately.

6. MAINTENANCE

- **Cleaning:** Wipe the wrench with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the wrench in its plastic storage case in a dry, temperature-controlled environment when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Calibration:** For continued accuracy, regular calibration by an authorized service center is recommended. Refer to the Certificate of Calibration for details.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Wrench does not power on	Dead or incorrectly installed batteries	Replace batteries with new AA batteries, ensuring correct polarity.
Inaccurate readings	Wrench needs calibration or is damaged	Contact an authorized service center for calibration or repair. Do not attempt to repair yourself.
Display error message	Internal malfunction	Power off the wrench, wait 10 seconds, then power on again. If the error persists, contact support.

8. SPECIFICATIONS

Feature	Detail
Model Number	CPT100X15D-G-SET
Torque Ranges	20.0~100.0 Nm, 200~1000 kgf.cm, 2.00~10.00 kgf.m, 200~880 lbf.in, 15.0~73.0 lbf.ft
Accuracy	+/-3% of indicated value
Units of Measure	Nm, kgf.cm, kgf.m, lbf.in, lbf.ft
Data Storage	Up to 50 data points
Data Output	RS232 port (cable #585 sold separately)
Power Source	2 x AA Batteries
Material	Plastic
Item Length	20 inches
Item Weight	0.85 kg

Feature	Detail
Head Style	Fixed Square (1/2 inch drive)
Operation Mode	Electric

9. WARRANTY AND SUPPORT

Tohnichi products are manufactured to high-quality standards. For warranty information, technical support, or service, please refer to the documentation included with your product or contact Tohnichi America directly. Keep your proof of purchase for warranty claims.

For further assistance, visit the official Tohnichi website or contact their customer service department.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question