ATsafepro ATJ10200N-JP

ATsafepro 1/2" Digital Torque Adapter 10-200 Nm Instruction Manual

Model: ATJ10200N-JP | Brand: ATsafepro

1. INTRODUCTION

Thank you for choosing the ATsafepro 1/2" Digital Torque Adapter. This device converts a standard ratchet wrench into a precise digital torque wrench, providing accurate torque measurement for various applications. Please read this manual thoroughly before use to ensure proper operation and to maximize the product's lifespan.

2. PACKAGE CONTENTS

- 1x ATsafepro 1/2" Digital Torque Adapter (Measuring range: 10-200 Nm)
- 1x 3/8" Adapter
- 1x 1/4" Adapter
- 1x Hex Key (for battery cover)
- 1x Hard Storage Case (Oil-proof and shock-proof)
- 2x AAA Batteries

Image: ATsafepro 1/2" Digital Torque Adapter and included accessories.

3. PRODUCT FEATURES

- **High Precision:** Achieves ±2% measurement accuracy for both clockwise and counter-clockwise torque.
- **Smart Torque Warning System:** Provides visual (LED) and auditory (buzzer) alerts at 80%, 90%, and 100% of the target torque to prevent overtightening.
- **Multiple Measurement Modes:** Supports Track Mode (real-time display) and Peak Hold Mode (records maximum torque).
- **Preset Torque Values:** Allows setting up to 9 different torque presets (P1-P9) for various bolt specifications.
- **Data Storage:** Stores up to 500 past measurement records for quality control and traceability.
- **Unit Conversion:** Supports 5 types of units: Nm, ft-lb, in-lb, kg-cm, kg-m.
- **Durable Construction:** Main body made of carbon steel for improved impact and wear resistance.
- **Power Saving:** Automatic power-off after 2 minutes of inactivity.
- **Backlight Function:** Ensures clear display visibility in low-light conditions.

Image: Overview of the digital torque adapter's display and controls.

4. Safety Information

Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when using this tool. Ensure the adapter is securely attached to the ratchet wrench and the fastener before applying torque. Do not exceed the maximum torque capacity of the device. Keep the device away from water, extreme temperatures, and corrosive substances. Store in a dry, safe place when not in use.

5. Setup

5.1 Battery Installation

1. Locate the battery compartment on the back of the digital torque adapter.
2. Use the provided hex key to open the battery cover.
3. Insert 2 AAA batteries, ensuring correct polarity (+/-).
4. Replace the battery cover and secure it with the hex key.

5.2 Attaching to a Ratchet Wrench

1. Select the appropriate adapter (3/8" or 1/4") if needed, and attach it to the 1/2" drive of the digital torque adapter.
2. Insert the square drive of the digital torque adapter (or attached adapter) into the drive of your standard ratchet

wrench. Ensure a secure connection.

ラチェットレンチをデジタル
トルクレンチに変換

1/2"

1/2 ～ 3/8 ❯

❮ 1/2 ～ 1/4

Image: Digital Torque Adapter connected to a ratchet wrench with various adapters.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- To power on, press the 'C' button. The display will light up.
- The device will automatically power off after 2 minutes of inactivity to conserve battery.

6.2 Unit Selection

- Press the 'U' button to cycle through the available torque units: Nm, ft-lb, in-lb, kg-cm, kg-m. Select your desired unit.

6.3 Mode Selection

Press the 'P/T' button to switch between measurement modes:

- **Track Mode (T):** Displays the real-time torque value as it is applied.
- **Peak Hold Mode (P):** Records and displays the maximum torque value reached during the application.

6.4 Setting Torque Values (Preset Mode)

1. Press the 'Up' or 'Down' arrow buttons to display the 9 preset torque values (P1-P9).

2. Use the 'Up' or 'Down' buttons to select the desired preset group. After confirming the group, press the 'M' button to activate it.

3. Adjust the data using the 'Up' or 'Down' buttons. Press and hold for 2 seconds to enter rapid adjustment mode.

4. Once the adjustment is complete, press the 'C' button to confirm.

6.5 Smart Torque Warning System

- **80% Target Torque:** Intermittent buzzer sound (pipipi) and green/yellow LED flashes.

- **90% Target Torque:** Intermittent buzzer sound (pipipi) and green/yellow LED flashes.

- **100% Target Torque (Reached/Exceeded):** Continuous buzzer sound (peee) and red LED lights up, indicating the target torque has been reached or exceeded. This helps prevent overtightening and potential damage.

Image: Visual representation of the smart torque warning system.

Image: Display modes and unit options on the digital torque adapter.

6.6 Retrieving Saved Data

1. Long-press the 'M' button to activate torque data retrieval.
2. Use the 'Up' or 'Down' buttons to browse through the saved data.

6.7 Deleting Saved Data

1. Long-press the 'M' button to activate torque data retrieval.
2. Press the 'U' button to enter the deletion screen. 'ALL' (delete all data) and 'ONE' (delete individual data) will be displayed alternately.
3. After confirming the deletion type, press the 'M' button again to execute the deletion. If 'SUCC' is displayed, the deletion was successful.

6.8 Official Product Videos

Your browser does not support the video tag.

Video: Demonstrates the usage of a digital torque meter, including setting torque values and data management. This video is provided by the seller.

Your browser does not support the video tag.

Video: An overview of the digital torque meter's features and functions. This video is provided by the seller.

Video: Detailed instructions on how to use a digital torque wrench. This video is provided by the seller.

7. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the digital torque adapter in its hard storage case in a dry, cool place, away from direct sunlight and moisture. Remove batteries if storing for extended periods to prevent leakage.
- **Calibration:** For professional use, periodic calibration is recommended to maintain accuracy. Refer to a qualified service center for calibration.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Low or dead batteries; Incorrect battery installation	Replace batteries; Check battery polarity
Inaccurate readings	Device needs calibration; Improper use	Contact service center for calibration; Review operating instructions
Buzzer/LED not working	Settings issue; Device malfunction	Check settings for warning thresholds; Contact customer support

9. SPECIFICATIONS

Feature	Detail
Brand	ATsafepro
Model Number	ATJ10200N-JP
Drive Size	1/2 inch (12.7mm)
Torque Range	10-200 Newton Meters (Nm)
Accuracy	±2% (Clockwise/Counter-clockwise)
Units	Nm, ft-lb, in-lb, kg-cm, kg-m
Data Storage	500 records
Power Source	2x AAA Alkaline Batteries (included)
Auto Shut-off	2 minutes of inactivity
Product Weight	450 g
Package Dimensions	12.1 x 9.2 x 7.1 cm
Applications	Automotive repair, bicycle maintenance, machinery, DIY, etc.

Image: Diverse applications of the ATsafepro Digital Torque Adapter.

10. WARRANTY AND SUPPORT

ATsafepro products are designed for durability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official ATsafepro website. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - ATJ10200N-JP

[ATsafepro Torque Wrench: Operation and Warranty Guide](#)
A comprehensive guide to operating and understanding the warranty for ATSAFEPRO torque wrenches, detailing usage steps, component descriptions, and care instructions for optimal performance and longevity.

	Metra JP-708RGBKT 7" Projector Headlights & 4" Fog Lights with Pro Chasing Controller Installation Guide Comprehensive installation guide for Metra's JP-708RGBKT 7" Projector Headlights and 4" Fog Lights with Pro Chasing Controller, designed for Jeep Wrangler (2007-UP) and Jeep Gladiator (2020-UP). Includes detailed removal and installation steps for JK, JL, and Gladiator models, parts list, tools required, and FCC compliance information.
	Skymen Ultrasonic Cleaner User Manual and Specifications Comprehensive user manual and technical specifications for Skymen ultrasonic cleaners, covering operation, safety, maintenance, troubleshooting, and detailed model data for various series.
	ISOTRA Japanese Panel Blinds Technical Manual Comprehensive technical manual for ISOTRA Japanese Panel Blinds, detailing product specifications, configurations, measuring instructions, installation guidance, and safety features.
	Linksys Apple HomeKit Setup Guide A guide to setting up Linksys Velop Tri-Band routers with Apple HomeKit for enhanced smart home security. Learn how to integrate your Linksys router with the Apple Home app to protect your HomeKit accessories.