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› [ANPUDS 1/2" Digital Torque Adapter Instruction Manual \(12.5-250.8 Ft-lb / 17-340 Nm\)](#)

ANPUDS 1/2-Inch 12.5-250.8 Ft-lb/17-340 Nm

ANPUDS 1/2" Digital Torque Adapter Instruction Manual

Model: 12.5-250.8 Ft-lb / 17-340 Nm

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your ANPUDS 1/2" Digital Torque Adapter. Please read this manual thoroughly before use and retain it for future reference. This digital torque adapter converts any standard ratchet wrench into a precise digital torque wrench, offering accurate torque measurement for various applications.



Figure 1: ANPUDS 1/2" Digital Torque Adapter with accessories.

2. SAFETY INFORMATION

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

- Wear appropriate personal protective equipment, such as safety glasses.
- Do not exceed the maximum torque capacity of the adapter (250.8 Ft-lb / 340 Nm).
- Ensure the adapter is securely attached to the wrench and socket before applying torque.
- Do not hold the adapter body during use; apply force only to the wrench handle.
- Keep the tool clean and dry. Store in a safe place away from children.

Video 1: Demonstration of correct and incorrect usage for applying torque. This video highlights the importance of not holding the adapter body during operation to ensure accurate readings and prevent damage.

3. PACKAGE CONTENTS

- 1x ANPUDS 1/2" Digital Torque Adapter

- 1x 3/8" Adapter
- 1x 1/4" Adapter
- 1x Storage Case
- 1x User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your digital torque adapter.



Figure 2: Key components and controls of the Digital Torque Adapter.

- **Display Screen:** Shows torque values, units, and mode.
- **Indicator Lights:** Green, yellow, and red LEDs provide visual feedback on torque application.
- **Up/Down Buttons:** Adjust preset torque values.
- **P/T Button (Peak/Track):** Switches between Peak and Track measurement modes.
- **U Button (Unit Switch):** Cycles through measurement units (Nm, in-lb, ft-lb, kg-cm).
- **M Button (Memory):** Saves and queries stored data.
- **C Button (On/Off/Clear/Confirm):** Powers the device on/off, clears data, or confirms selections.

5. SETUP

5.1 Battery Installation

The device requires batteries for operation. Ensure correct polarity when inserting. If the buzzer does not sound upon power-on, press and hold the P/T and M buttons simultaneously in the shutdown state to reactivate it.

5.2 Attaching Adapters

The 1/2" digital torque adapter can be used directly with 1/2" drive sockets. For 3/8" or 1/4" drive sockets, use the included adapters. Securely attach the adapter to the torque adapter's drive and then attach your desired socket.



Figure 3: The adapter can convert any wrench into a digital torque wrench using the provided 1/2" to 3/8" and 1/2" to 1/4" adapters.

Video 2: Demonstrates unboxing, components, and how to attach the digital torque adapter to a wrench and use the included adapters.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press the 'C' button to power on the device. To power off, press and hold the 'C' button for a few seconds.

6.2 Setting Torque Values

After powering on, use the Up and Down arrow buttons to adjust the desired target torque value. The device supports 10 groups of preset values (P0-P9) for quick access to frequently used settings.



Figure 4: The adapter features preset value modes and data storage.

Video 3: Demonstrates powering on, reducing and increasing preset torque values, switching between 4 units, and toggling between peak and real-time modes.

6.3 Changing Measurement Units

Press the 'U' button to cycle through the four available measurement units: Nm, in-lb, ft-lb, and kg-cm.

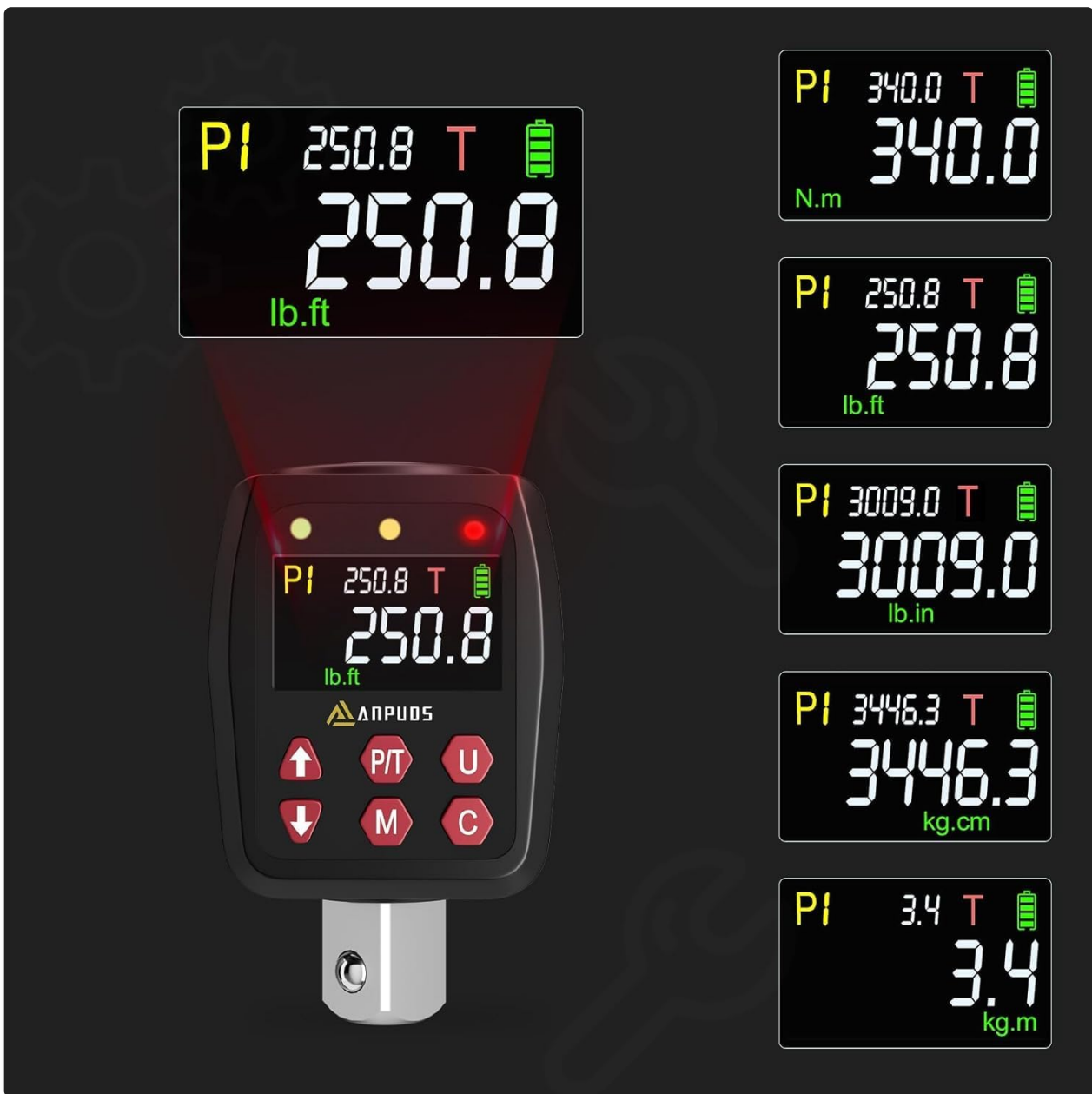


Figure 5: The display shows four measurement modes for versatile use.

6.4 Peak and Track Modes

Press the 'P/T' button to switch between Peak mode and Track mode.

- **Peak Mode:** Records and displays the maximum torque value achieved during the application.
- **Track Mode:** Displays the torque value in real-time as it is being applied.

6.5 Buzzer and LED Indicators

As you approach the target torque, the device will emit a regular beep sound. The LED indicator light will change from a flashing green light to a solid red light when the target torque is reached, signaling to stop applying force.



Figure 6: Buzzer and LED alerts provide clear notification when target torque is achieved.

6.6 Data Storage

The adapter can store up to 500 sets of data. Use the 'M' button to save and query stored torque values. You can preset and save 10 groups of torque values from P0 to P9.

Video 4: Demonstrates how to power on, set preset torque values, and use the torque memory save function.

7. MAINTENANCE

- Clean the adapter with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Store the adapter in its protective case in a cool, dry place.

8. TROUBLESHOOTING

- **Device does not power on:** Check battery installation and ensure batteries are not depleted.
- **Buzzer not sounding:** In the shutdown state, press and hold the P/T and M buttons simultaneously to

reactivate the buzzer.

- **Inaccurate readings:** Ensure the adapter is properly seated on the wrench and the socket is correctly attached. Avoid holding the adapter body during use.

9. SPECIFICATIONS

Feature	Specification
Model	1/2-Inch Digital Torque Adapter
Torque Range	12.5-250.8 Ft-lb / 17-340 Nm
Accuracy	±1% (Clockwise & Counterclockwise)
Measurement Modes	Ft-lb, Nm, In-lb, Kg-cm
Operating Modes	Peak Mode, Track Mode
Data Storage	500 sets
Preset Values	10 groups (P0-P9)
Alerts	Buzzer & LED Indicators
Material	Chrome Vanadium Steel
Item Weight	460 g
Dimensions	12 x 9 x 6.2 cm (Parcel)

10. WARRANTY AND SUPPORT

This ANPUDS Digital Torque Adapter comes with a 12-month warranty. If you have any questions or require support, please contact our customer service team. We are committed to providing a full refund or replacement for any product issues within the warranty period.