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VANPO VP18-340-01

VANPO 1/2-Inch Digital Torque Wrench Instruction Manual

Model: VP18-340-01

Brand: VANPO

Introduction

The VANPO 1/2-Inch Digital Torque Wrench provides precise torque control for various mechanical applications. This manual outlines the proper setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.

Key Features:

- **Precise Accuracy:** Delivers reliable torque control with ±2% accuracy, reducing over-tightening and fastener damage.
- **Clear Torque Feedback:** Features a large backlit LCD display, audible alerts, LED indicators, and vibration feedback for clear confirmation when preset torque is reached.
- **Durable & Bidirectional:** Built for repeated use in automotive environments, supporting both clockwise and counterclockwise operation.
- **Easy & Efficient Operation:** Supports Peak and Track modes, with preset torque values, and a tool-free, quick-access battery compartment.
- **Wide Application:** Suitable for vehicle maintenance, home repair, workshop projects, and industrial machinery.

Setup

1. Battery Installation

The torque wrench requires two AA batteries (included). To install:

1. Unscrew the battery cap at the end of the handle.
2. Insert two AA batteries, ensuring correct polarity (negative side down, positive side up).
3. Replace the battery cap and tighten securely.

Figure 1: Battery installation and ergonomic handle design.

2. Attaching Accessories

The wrench comes with a 125mm extension bar and a 1/2" to 3/8" adapter.

- To attach an extension or adapter, press the quick-release button on the ratchet head and insert the accessory.
- Ensure the accessory is securely locked in place before use.

Figure 2: Quick-release button for attaching sockets and accessories.

Operating Instructions

1. Power On/Off and Unit Selection

- Press the **ON/OFF** button to power on the wrench.
- Press the **U/S** button to cycle through measurement units: ft-lb, in-lb, Nm, kg-cm.

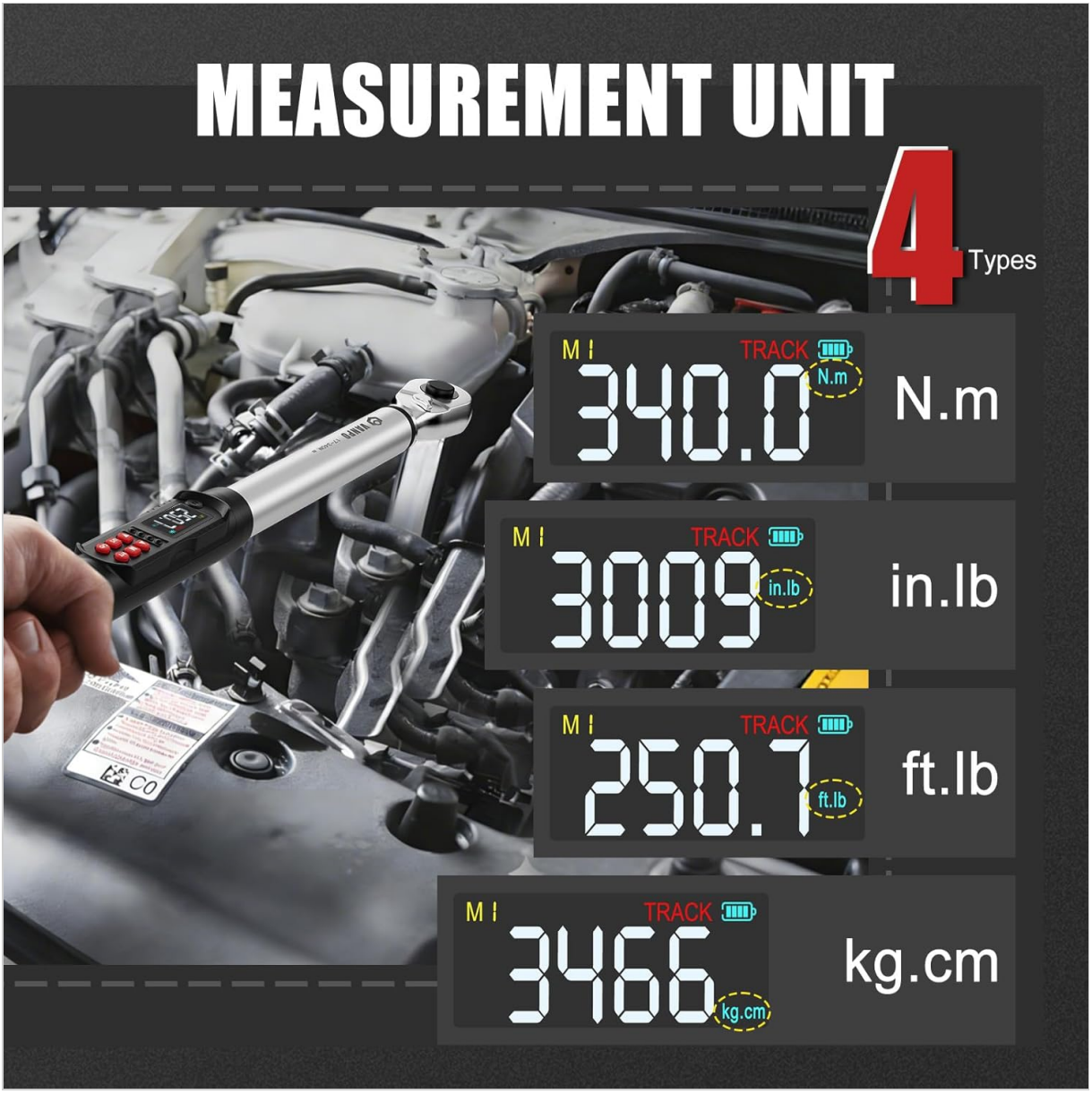

Figure 3: LCD display showing selectable measurement units.

2. Setting Target Torque Value

- Use the **Up** and **Down** arrow buttons to adjust the target torque value.
- The LCD will display the current setting.

3. Operating Modes (Peak & Track)

Press the **P/T** button to switch between Peak and Track modes.

- **Track Mode:** Displays real-time torque values as force is applied.
- **Peak Mode:** Captures and displays the maximum torque value achieved during the tightening process.

Figure 4: Explanation of Track Mode and Peak Mode.

4. Applying Torque

Apply force to the wrench. As you approach the preset torque value, the wrench will provide triple feedback:

- **Audible Alert:** A buzzer will sound.
- **LED Indicators:** Lights on the handle will illuminate (green for 85-90% of target, red for 100%).
- **Vibration Feedback:** The handle will vibrate.

Figure 5: Triple feedback system for reaching target torque.

5. Memory Function

The wrench can store multiple preset torque values. Use the**M** button to access and save memory settings.

6. Screen Lock Function

Long press the **M** button for 3 seconds to lock the screen and buttons, preventing accidental changes during operation. Long press **M** again to unlock.

Maintenance

- **Cleaning:** Wipe the wrench with a clean, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the torque wrench in its protective case in a dry, cool place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the LCD.
- **Calibration:** For optimal accuracy, it is recommended to have the torque wrench calibrated

periodically by a certified service center.

Troubleshooting

Problem	Possible Cause	Solution
Wrench does not power on.	Dead or incorrectly installed batteries.	Check battery polarity or replace with new AA batteries.
Inaccurate torque readings.	Wrench needs calibration or improper usage.	Ensure proper technique. Consider professional recalibration.
No audible/vibration feedback.	Feedback settings disabled or malfunction.	Check user manual for enabling feedback. Contact support if issue persists.

Specifications

Feature	Detail
Model Number	VP18-340-01
Drive Size	1/2-Inch
Torque Range	12.5–250.8 ft-lb / 17–340 Nm
Accuracy	±2%
Measurement Units	ft-lb, in-lb, Nm, kg-cm
Feedback	Audible, LED, Vibration
Operation Modes	Peak, Track
Power Source	2 AA Batteries (included)
Material	40 CR, Chrome Molybdenum Steel, Chrome Vanadium Steel
Item Weight	5.29 pounds
Included Components	1* digital torque wrench, 1*1/2 to 3/8" Adapter, 1*1/2" 125mm Extension Bar

Warranty & Support

This VANPO Digital Torque Wrench is backed by a 36-month manufacturer warranty. For warranty claims, technical support, or service inquiries, please refer to the contact information provided with your product packaging or visit the official VANPO website.
A Certificate of Calibration Report is included with your product, detailing the device's accuracy at the time of manufacture.

Product Videos

Key Features Overview

Your browser does not support the video tag.

Video: An overview of the key features and functionalities of the VANPO Digital Torque Wrench.

Detailed Features Demonstration

Your browser does not support the video tag.

Video: A demonstration of the various features of the VANPO Digital Torque Wrench, including display and controls.