

ANPUDS AP6-135

ANPUDS Digital Torque Wrench 3/8 Drive (AP6-135) Instruction Manual

Precision Tool for Accurate Fastening

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1. INTRODUCTION

The ANPUDS Digital Torque Wrench, Model AP6-135, is a high-precision tool designed for accurate torque application in a wide range of tasks. This manual provides essential information for safe and effective use, ensuring optimal performance and longevity of your tool. It is ideal for critical applications in electronics, carbon fiber assembly, and various automotive, motorcycle, and bicycle repair tasks.



Figure 1: ANPUDS Digital Torque Wrench 3/8 Drive (AP6-135)

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury and damage to the tool or workpiece:

- **Do not exceed 120% of the maximum torque value.** Overloading can cause permanent damage to the wrench and compromise its accuracy.
- Ensure the correct socket or adapter is securely attached before use.
- Keep the tool clean and free from oil, grease, and debris to maintain proper grip and function.
- Store the torque wrench in its protective case when not in use to prevent accidental damage.
- Avoid dropping or subjecting the wrench to harsh impacts, as this can affect its calibration and precision.
- Always wear appropriate personal protective equipment (PPE), such as safety glasses, during operation.

3. SETUP

3.1 Battery Installation

The ANPUDS Digital Torque Wrench requires AAA batteries for operation. To install or replace batteries:

1. Locate the battery compartment, typically at the end of the handle.
2. Unscrew or twist off the rear cover to access the compartment.
3. Insert the batteries, ensuring correct polarity (+/-).
4. Securely replace the cover.



Figure 2: Battery compartment and quick-release design

3.2 Attaching Accessories

The wrench comes with a 3/8"-1/2" adapter and a 125mm extension rod for versatility:

- To attach a socket or adapter, simply press the quick-release button on the ratchet head and insert the accessory. Release the button to lock it in place.
- The 125mm extension rod can be used for reaching fasteners in narrow or deep spaces.

Operation of the Ratchet Head

3/8"
DR

72-
Tooth



Two-way ratchet head
for easy switching



Figure 3: Quick-release ratchet head operation

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the 'C' button to power the wrench on or off.

4.2 Unit Selection

The wrench supports multiple measurement units. Press the 'U' button to cycle through N·m, lb·ft, lb·in, kg·cm, and kg·m to select your desired unit.

4.3 Mode Selection (Peak/Track)

Press the 'P/T' button to switch between Peak Mode and Track Mode:

- **Peak Mode:** Displays and locks the maximum torque value applied during a fastening operation. Ideal for critical bolts where the highest applied torque needs to be recorded.
- **Track Mode:** Shows real-time torque values as force is applied. Useful for monitoring torque adjustments in real-time, such as during bike tuning or electronics assembly.

Press **P/T** to Switch TRACK/PEAK Mode

Track Mode:
Display torque value in real time



Peak Mode:
Display the maximum torque value during use

Figure 4: Switching between Track and Peak Modes

4.4 Setting Torque Values and Presets

The wrench features 9 programmable preset modes (P1-P9) and stores up to 500 data records:

1. Use the up/down arrow buttons to adjust the target torque value.
2. To save a preset, navigate to the desired preset slot (P1-P9) and confirm the value.
3. Review past torque settings using the data storage function for quality control.

Group Preset Modes



Figure 5: Preset modes and data storage

4.5 Triple Alert System

The wrench provides visual, audible, and tactile alerts as you approach and reach the target torque:

- **Green Light:** Illuminates at 80% of the target torque.
- **Flashing Yellow Light:** Illuminates at 90% of the target torque.
- **Steady Red Light + Handle Vibration + Rapid Beep:** Activates at 100% of the target torque, signaling to stop applying force.

Target Torque Alert System



Figure 6: Triple Alert System in action

5. KEY FEATURES

- **High Precision:** Achieves $\pm 1\%$ accuracy over 30,000+ uses, compliant with ISO 6789-2:2017.
- **Multi-Unit Support:** Easily switch between N·m, lb·ft, lb·in, kg·cm, and kg·m.
- **Triple Alert System:** Visual (LED), audible (buzzer), and tactile (vibration) alerts for precise torque application.
- **Programmable Presets:** 9 customizable preset modes (P1-P9) for recurring tasks.
- **Data Storage:** Stores up to 500 torque records for review and compliance.
- **Operating Modes:** Features Peak Mode (max torque) and Track Mode (real-time torque).
- **Large Color LCD Display:** Enhanced backlighting for clear visibility in various lighting conditions.
- **Quick-Release Ratchet Head:** Enables fast and tool-free socket changes.
- **Durable Construction:** Made from Chromium Molybdenum Steel with a non-slip handle for comfort and longevity.

6. MAINTENANCE


Proper maintenance ensures the accuracy and lifespan of your digital torque wrench:

- **Cleaning:** Wipe the wrench clean with a soft, dry cloth after each use. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the wrench in its original heavy-duty blow-molded case in a dry, clean environment away from extreme temperatures and humidity.
- **Battery Care:** Remove batteries if the wrench will not be used for an extended period to prevent leakage and damage.
- **Calibration:** Although designed for high durability, regular calibration is recommended. The manufacturer suggests calibration annually or after every 10,000 uses to maintain optimal accuracy. Refer to the factory-certified calibration report included with your product.

FATIGUE TEST
30000+



ANPUDS Inspection Certificate			
Model	3/8"	Calibration Instrument	P86036
Style	Digital Torque Wrench	Serial number	2507002
Range	2-135NIM	Instrument Precision	0.30%
	MIN	MID	MAX
Target torque:	2	81	135
Measured value 1:	2.01	80.19	136.61
Measured value 2:	2.02	80.51	133.07
Measured value 3:	2.03	81.14	135.02
Measured value 4:	1.97	81.38	134.98
Measured value 5:	1.99	81.21	135.90
Test Results: The test torque value meets the standard of 1506789,GB/T15729 and ASME 8107.14M.			
We recommend you to verify this torque wrench after working for 12 months or 5000 times			
Checker	Wangkai	Date	2025/7/8



ACCURACY
UP TO
±1%

Figure 7: Calibration report and accuracy

7. TROUBLESHOOTING

If you encounter issues with your ANPUDS Digital Torque Wrench, try the following:

- **No Display/Power:** Check if batteries are correctly installed and have sufficient charge. Replace batteries if necessary.

- **Inaccurate Readings:** Ensure the wrench is used within its specified torque range. If accuracy is consistently off, the wrench may require recalibration.
- **Alerts Not Functioning:** Verify that the alert system settings are enabled. Check battery levels as low power can affect alert performance.
- **Ratchet Head Issues:** Ensure the quick-release mechanism is clean and operating smoothly. Do not force the ratchet head.

For persistent issues, contact ANPUDS customer support.

8. SPECIFICATIONS

Attribute	Value
Model Number	AP6-135
Drive Size	3/8 inch
Measurement Range	1.5-99.56 Ft-lb / 2.03-135 Nm
Accuracy	±1%
Length	410 mm / 16.14 inches
Item Weight	1.7 kg
Material	Chromium Molybdenum Steel
Included Components	Digital Torque Wrench 3/8-Inch Drive, 3/8"-1/2" Adapter, 125mm Extension Rod, Batteries
Battery Type	Alkaline (AAA)

9. WARRANTY & SUPPORT

For warranty information, technical support, or service inquiries regarding your ANPUDS Digital Torque Wrench, please refer to the contact details provided in your product packaging or visit the official ANPUDS website. Keep your purchase receipt as proof of purchase for any warranty claims.