

SHAHE ANC-30

SHAHE Digital Torque Adapter ANC-30 (0.9-30N.m) Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the proper use, setup, operation, and maintenance of your SHAHE Digital Torque Adapter, model ANC-30. This high-precision digital torque adapter is designed for accurate torque measurement in various applications, including automotive, bicycle, motorcycle, and general home repairs. Please read this manual thoroughly before operating the device to ensure safe and efficient use.



Image 1.1: The SHAHE Digital Torque Adapter ANC-30, shown with its primary 1/2-inch drive and two included adapter sizes (3/8-inch and 1/4-inch) for versatile use.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- Do not exceed the maximum torque capacity of 30 N.m. Over-torquing can damage the adapter and the fastener.
- Ensure the adapter is securely attached to your wrench and the socket/fastener before applying torque.
- Keep the device clean and dry. Avoid exposure to extreme temperatures or corrosive environments.
- Do not attempt to disassemble or modify the device. Repairs should only be performed by qualified personnel.
- Store the device in its protective case when not in use to prevent damage.
- Keep batteries out of reach of children.

3. PRODUCT OVERVIEW

3.1 Included Components

The SHAHE Digital Torque Adapter ANC-30 package includes:

- 1 x SHAHE Digital Torque Adapter ANC-30
- 1 x Instruction Manual (this document)
- 2 x AAA Batteries
- 1 x Storage Case
- 1 x 1/2" to 3/8" Adapter
- 1 x 1/2" to 1/4" Adapter



Image 3.1: The SHAHE Digital Torque Adapter ANC-30, its instruction manual, and the included adapters stored within its protective carrying case.

3.2 Device Components and Controls

Familiarize yourself with the various parts and controls of the digital torque adapter:

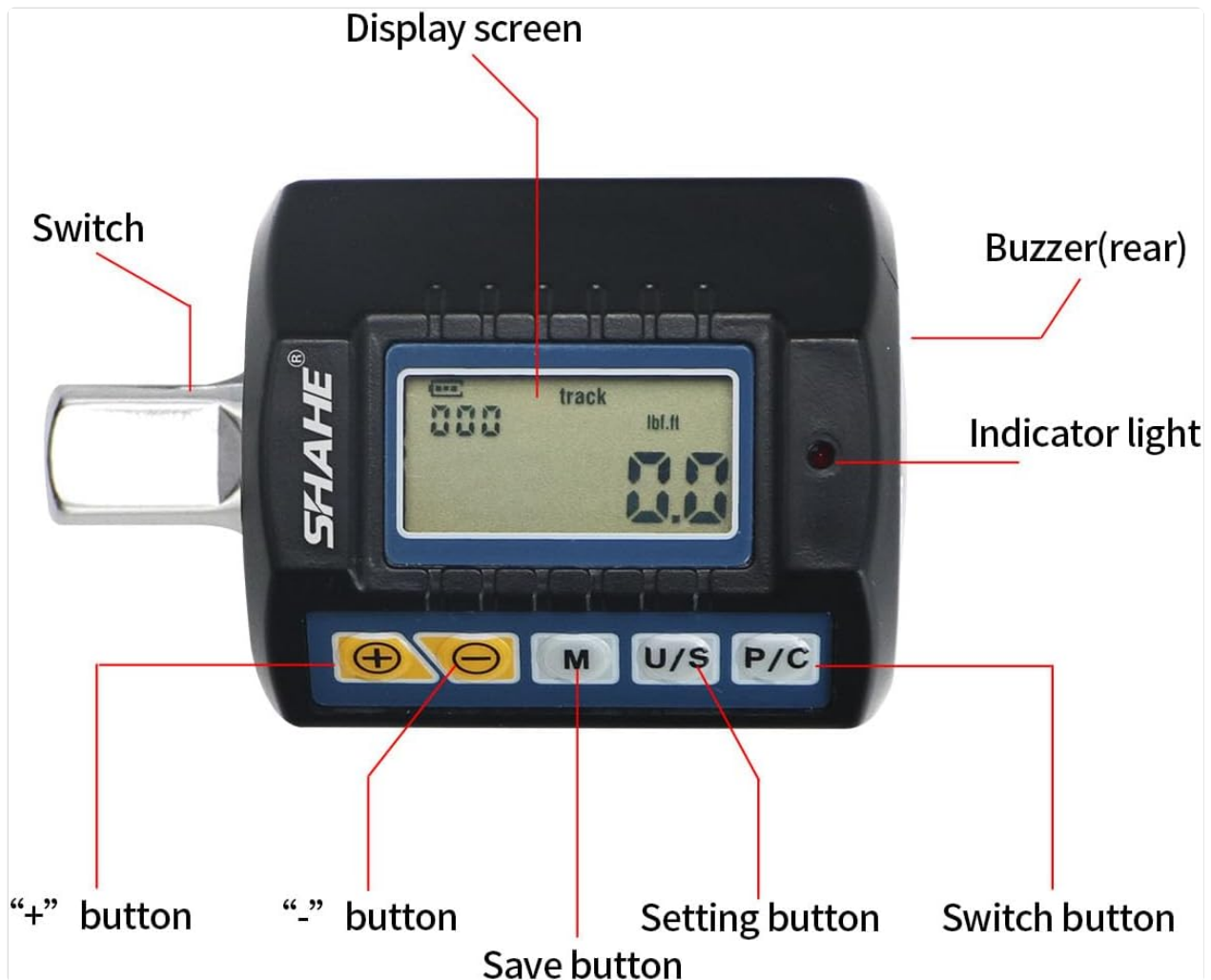


Image 3.2: Labeled diagram of the SHAHE Digital Torque Adapter ANC-30, indicating the display screen, control buttons, indicator light, and buzzer location.

- **Display Screen:** Shows torque readings, units, and mode.
- **'+' Button:** Increases values or navigates menus.
- **'-' Button:** Decreases values or navigates menus.
- **'M' (Save) Button:** Used for mode selection and saving settings.
- **'U/S' (Setting) Button:** Used for unit selection and system settings.
- **'P/C' (Switch) Button:** Power on/off and peak/track mode selection.
- **Indicator Light:** Provides visual feedback, especially for alarm functions.
- **Buzzer (rear):** Provides audible feedback, especially for alarm functions.
- **Switch (Drive):** The 1/2-inch square drive for attaching sockets or adapters.

4. SETUP

4.1 Battery Installation

The device requires two AAA batteries (included). To install:

1. Locate the battery compartment cover on the back of the device.
2. Open the cover.
3. Insert the two AAA batteries, ensuring correct polarity (+/-).

4. Close the battery compartment cover securely.

4.2 Attaching Adapters and Sockets

The SHAHE Digital Torque Adapter ANC-30 features a 1/2-inch drive. Use the included adapters to fit 3/8-inch and 1/4-inch drive sockets.



Image 4.1: The digital torque adapter with its native 1/2-inch drive, shown next to the 3/8-inch and 1/4-inch drive adapters for connecting various socket sizes.

1. Select the appropriate adapter (1/2" to 3/8" or 1/2" to 1/4") if your socket is not 1/2-inch.
2. Firmly attach the adapter to the 1/2-inch drive of the digital torque adapter.
3. Attach your desired socket to the adapter or directly to the 1/2-inch drive.
4. Ensure all connections are secure before use.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Power On:** Press the 'P/C' button to turn on the device. The display will light up.
- **Power Off:** Press and hold the 'P/C' button for a few seconds to turn off the device. The device will also automatically power off after 5 minutes of inactivity to conserve battery life.

5.2 Unit Selection

The adapter supports four torque units: N.m, ft.lb, in.lb, and kgf.cm.



Image 5.1: Examples of the digital display showing torque values in lbf.ft, lbf.in, kgf.cm, and N.m, demonstrating the unit conversion capability.

- With the device powered on, press the 'U/S' button repeatedly to cycle through the available units (N.m, ft.lb, in.lb, kgf.cm).
- Select the desired unit for your measurement.

5.3 Measurement Modes

The device offers three measurement modes: Real-time (Track), Peak, and Preset.

- **Real-time Mode (Track):** Displays the current torque being applied. This is useful for monitoring torque as it is being applied. To select, press the 'M' button until "track" appears on the display.
- **Peak Mode:** Captures and displays the maximum torque value reached during the application. This is useful for verifying the highest torque applied. To select, press the 'M' button until "peak" appears on the display.

- **Preset Mode:** Allows you to set a target torque value. The device will provide an audible and visual alarm when the target torque is approached and reached. To select, press the 'M' button until \"preset\" appears on the display.

5.4 Setting Target Torque (Preset Mode)

When in Preset Mode:

1. Enter Preset Mode by pressing the 'M' button.
2. Press the 'U/S' button to enter the setting interface. The target torque value will flash.
3. Use the '+' and '-' buttons to adjust the target torque value.
4. Press the 'U/S' button again to confirm the setting.

5.5 Applying Torque and Alarm Function

Once the mode and unit are selected, apply torque to the fastener. The device will display the torque value in real-time (Track mode) or capture the peak (Peak mode).

Audible and visual alarms Avoid excessive force

When reaching the preset target
force value, beeping alarm, red light on



Image 5.2: The digital torque adapter showing its alarm function in action, with a red indicator light and an audible alert when the preset torque value is reached.

- **Audible and Visual Alarm:** In Preset Mode, as you approach the target torque, the device will emit a

continuous beep and the indicator light will flash. When the target torque is reached, the beep will become continuous and the red indicator light will stay solid.

- **Stop applying torque immediately** when the alarm indicates the target has been reached to avoid over-torquing.

6. MAINTENANCE AND CARE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the digital torque adapter 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 display. Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Calibration:** For professional applications requiring certified accuracy, periodic calibration by a qualified service center is recommended.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new AAA batteries.
Inaccurate readings.	Device not properly zeroed or requires calibration.	Ensure the device is at rest before powering on. If issues persist, consider professional calibration.
Alarm not functioning.	Not in Preset Mode or alarm volume is too low (if adjustable).	Ensure the device is in Preset Mode. Check manual for alarm volume adjustment (if applicable).
Display is dim or flickering.	Low battery power.	Replace batteries.

8. SPECIFICATIONS

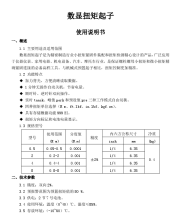
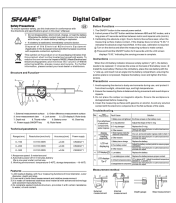

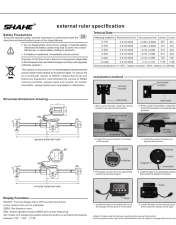
Model	ANC-30
Measuring Range	0.9 - 30 N.m
Minimum Division Value	0.01 N.m
Accuracy	±2% (Clockwise), ±2.5% (Counter-clockwise)
Drive Size	1/2 inch (includes 3/8 inch and 1/4 inch adapters)
Measurement Modes	Real-time (Track), Peak, Preset
Units	N.m, ft.lb, in.lb, kgf.cm
Material	Alloy Steel
Power Source	2 x AAA Alkaline Batteries (included)
Automatic Power Off	After 5 minutes of inactivity


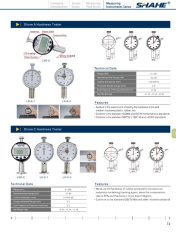
Item Weight	0.45 kg (15.8 ounces)
Manufacturer	Wenzhou Sanhe Measuring Instrument Co.,LTD

9. WARRANTY AND SUPPORT

SHAHE products are manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official SHAHE website. Please retain your proof of purchase for any warranty claims.

Related Documents - ANC-30

	<p>- Shahe</p> <p>Shahe</p>
	<p>SHAHE IP67 Digital Caliper User Manual</p> <p>User manual for the SHAHE IP67 Digital Caliper, detailing its features, technical specifications, safety precautions, instructions, and troubleshooting. Covers models 150mm, 200mm, and 300mm.</p>
	<p>SHAHE Digital Inclinator (Model 5341-90/5341-90B) - User Manual</p> <p>User manual for the SHAHE Digital Inclinator (aluminum frame). Features include relative/absolute measurement, angle/slope conversion, data hold, rechargeable battery, and strong magnets. Details technical parameters, operating instructions, and applications.</p>
	<p>SHAHE External Ruler Specification and Installation Guide</p> <p>Technical specifications, safety precautions, and installation guide for SHAHE digital external rulers, including models like 5403 series. Features include measuring ranges, accuracy, and display functions.</p>

 A technical diagram showing four different models of SHAHE Shore D hardness testers (LXD-D, LX-D-1, LX-D-2) and their compatible stands (LAC-J, LD-J). The diagram includes a table with technical specifications for each model, such as range, dimensions, and application notes.	<p>SHAHE Shore D Hardness Testers and Stands - Technical Specifications</p> <p>Detailed technical data and features for SHAHE Shore D hardness testers (LXD-D, LX-D-1, LX-D-2) and their compatible stands (LAC-J, LD-J). Includes specifications like range, dimensions, and application notes.</p>
 A technical diagram showing five different models of SHAHE Shore A and C hardness testers (LXD-A, LX-A-1, LX-A-2, LXD-C, LX-C-1, LX-C-2). The diagram includes a table with technical specifications for each model, such as range, dimensions, and application notes.	<p>SHAHE Shore A & C Hardness Testers - Technical Specifications and Features</p> <p>Detailed overview of SHAHE's LXD-A, LX-A-1, LX-A-2, LXD-C, LX-C-1, and LX-C-2 Shore A and Shore C hardness testers, including technical data and features for various material testing applications.</p>