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› [ACDelco ARM303-4A-340 1/2" Heavy Duty Digital Torque Wrench with Buzzer and LED Flash Notification - ISO 6789 Standards with Certificate of Calibration](#)

### ACDelco Tools ARM303-4A-340

# ACDelco ARM303-4A-340 Digital Torque Wrench User Manual

Model: ARM303-4A-340

## INTRODUCTION

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The ACDelco ARM303-4A-340 is a heavy-duty digital torque wrench designed for high-precision torque and angle measurements. This tool is engineered for professionals requiring exceptional accuracy and reliability in automotive, motorcycle, and industrial applications. It features a clear LCD display, multiple measurement units, and an advanced alert system to ensure precise fastening.



Image: The ACDelco ARM303-4A-340 Digital Torque Wrench, showcasing its robust design and digital display.

## SAFETY INFORMATION

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Always observe the following safety precautions when operating the digital torque wrench:

- Read and understand this entire manual before using the tool.
- Wear appropriate personal protective equipment, including eye protection, when operating the wrench.
- Do not exceed the maximum torque capacity of the wrench (250.7 ft-lbs).
- Ensure the wrench is clean and free from oil or grease before use to maintain a secure grip.
- Do not use the wrench as a pry bar or hammer.
- Store the wrench in its protective case when not in use to prevent damage.
- Keep batteries out of reach of children and dispose of them properly.

## PRODUCT FEATURES

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The ARM303-4A-340 digital torque wrench incorporates several advanced features for precision and ease of use:

- **Static Torque Measurement:** Provides accurate readings for applied torque.
- **Multiple Measurement Units:** LCD display shows measurements in Kg-cm, N-m, in-lbs., and ft-lbs.
- **Bi-directional Operation:** Operates in both clockwise and counterclockwise directions.
- **Wide Torque Range:** Measures from 12.5 to 250.7 ft-lbs.
- **High Accuracy:** Pre-set accuracy of +/- 1.5% for clockwise and +/- 2.5% for counterclockwise measurements.
- **72-Tooth Ratchet Head:** Precision-g geared for smooth operation and durability.
- **Audible & Visual Alert System:** Buzzer and LED flash notifications alert the user when the desired torque is reached.
- **Motional Alerting Vibration:** Provides tactile feedback upon reaching target torque.
- **Ergonomic Design:** Features an anti-slip industrial-grade grip for comfort and control.

# ANGLE DIGITAL TORQUE WRENCH

## ARM303-4A



1/2" Drive

TORQUE  
RANGE  
12.5-250.7  
ft-lbs



Image: Detailed view highlighting the quick release mechanism, visual LED alerts, audible buzzer, motional alerting vibration, and the LCD backlit display of the ARM303-4A digital torque wrench.

## PACKAGE CONTENTS

Upon opening the package, verify that all the following items are included:

- ACDelco ARM303-4A-340 Digital Torque Wrench
- User Manual
- Durable Hard-Shell Case
- Certificate of Calibration (ISO 6789 Standards)



Image: The ARM303-4A-340 digital torque wrench neatly stored within its robust hard-shell case, as received in the package.

## SETUP

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### Battery Installation

The ARM303-4A-340 requires 2 AA batteries (not included) for operation.

1. Locate the battery compartment cover, typically at the base of the handle.
2. Open the cover by twisting or sliding it according to the markings.
3. Insert 2 AA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery compartment cover securely.

### Initial Power On

Press the power button (usually marked 'ON/OFF') to turn on the wrench. The LCD display will illuminate and perform a self-test before showing the current measurement mode.

## OPERATING INSTRUCTIONS

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### Power On/Off

Press the **ON/OFF** button to power the wrench on or off. The wrench features an auto-shutoff function after approximately 3 minutes of inactivity to conserve battery life.

### Unit Selection

Press the **U/S** (Unit/Setting) button to cycle through the available measurement units: ft-lbs, in-lbs, N-m, and Kg-cm. Select the desired unit before setting the target torque.

### Torque Setting

To set the target torque value:

1. Ensure the wrench is in the desired measurement unit.
2. Press the **M** (Mode) button to enter the torque setting mode.
3. Use the **Up** and **Down** arrow buttons to adjust the target torque value.
4. Press the **M** button again to confirm the setting and return to measurement mode.

### Measurement Modes (Peak Hold / Track)

The wrench typically offers two measurement modes:

- **Track Mode:** Displays the real-time torque being applied.
- **Peak Hold Mode:** Displays the maximum torque value reached during the application.

Cycle between these modes using the appropriate button (refer to the specific button labels on your device, often combined with the 'M' button).

## Angle Measurement

For applications requiring torque-plus-angle (TTY) specifications:

1. Set the desired torque value first.
2. Press the **A-F-K** button (or similar) until the angle degree symbol appears on the display.
3. Use the **Up** and **Down** arrow buttons to set the target angle.
4. Apply torque until the set torque value is reached, then continue rotating until the set angle is achieved. The wrench will provide alerts for both thresholds.

## Applying Torque

Attach the appropriate socket to the 1/2" drive head. Place the socket onto the fastener. Apply steady, smooth force to the wrench handle. The LCD display will show the real-time torque. When the set target torque is reached, the wrench will emit an audible beep, flash its LED lights, and vibrate.

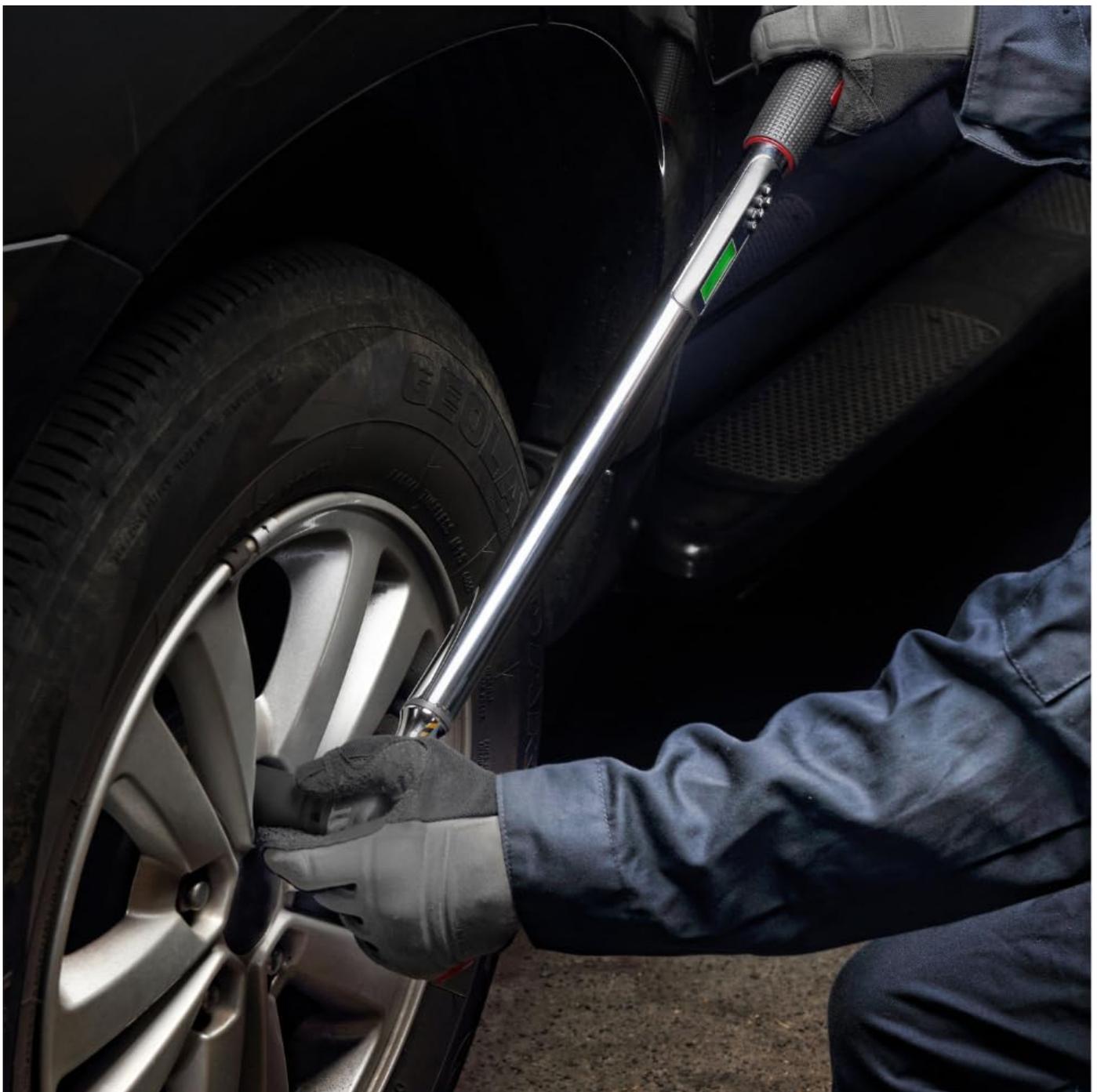


Image: A user demonstrating the application of the ACDelco ARM303-4A-340 Digital Torque Wrench on a car wheel lug nut, ensuring proper fastening.

## MAINTENANCE

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### Cleaning

Wipe the wrench clean with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents, as they may damage the finish or electronic components.

### Storage

Store the digital torque wrench in its original hard-shell case in a dry, temperature-controlled environment. Remove batteries if the wrench will not be used for an extended period to prevent leakage.

### Calibration

The ACDelco ARM303-4A-340 is calibrated to ISO 6789 standards and includes a Certificate of Calibration. For continued

accuracy, periodic re-calibration by a certified service center is recommended, especially after heavy use or if the wrench has been dropped.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Wrench does not power on.	Dead or incorrectly installed batteries.	Replace batteries with new AA batteries, ensuring correct polarity.
Inaccurate torque readings.	Improper technique; wrench needs re-calibration.	Apply steady, smooth force. Ensure proper grip. Consider professional re-calibration.
Display not working or flickering.	Low battery; internal connection issue.	Replace batteries. If problem persists, contact customer support.
Battery gets stuck in compartment.	Possible internal obstruction (e.g., screw too long).	Carefully inspect the battery compartment for any obstructions. If unable to resolve, contact customer support.
Wrench shuts off too quickly.	Auto-shutoff feature activated.	The wrench is designed to shut off after approximately 3 minutes of inactivity. Power on again to resume use.

## SPECIFICATIONS

Model Number	ARM303-4A-340
Head Size	1/2 inch
Torque Range	12.5 to 250.7 ft-lbs
Units of Measurement	ft-lbs, in-lbs, N-m, Kg-cm
Accuracy (Pre-set)	CW +/- 1.5%, CCW +/- 2.5%
Ratchet Head	72-tooth, Fixed Ratchet
Power Source	2 AA batteries (not included)
Tool Weight	6.6 lbs (3.00 kg)
Item Length	66.7 Centimeters
Material	Alloy Steel
Finish	Polished

## WARRANTY AND SUPPORT

### Warranty Information

The ACDelco ARM303-4A-340 Digital Torque Wrench comes with a **1 Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

# Customer Support

For technical assistance, warranty service, or to inquire about re-calibration services, please contact ACDelco Tools customer support. Refer to the contact information provided on the product packaging or the official ACDelco Tools website for the most current support details.

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## Related Documents - ARM303-4A-340

	<p><a href="#">Capri Tools 31200 Industrial Torque Wrench User Manual &amp; Specifications</a></p> <p>User manual, specifications, and warranty for the Capri Tools 31200 Industrial Torque Wrench. Covers features, usage, safety, maintenance, calibration, and troubleshooting.</p>
	<p><a href="#">Snap-on Industrial Torque Range: Wrenches, Testers, and Calibrators</a></p> <p>Explore the comprehensive range of Snap-on Industrial torque wrenches, electronic torque testers, and calibrators. Discover precision tools for accurate torque measurement and application, featuring advanced technology and robust design for industrial use.</p>
	<p><a href="#">Sealey Torque Wrenches: Model Guide, Specifications, Operation, and Calibration</a></p> <p>Detailed guide for Sealey torque wrenches (STW101-STW1012), covering specifications, safe operation, calibration procedures, and unit conversion tables. Includes essential safety warnings and warranty information.</p>
	<p><a href="#">Sealey STW807 1/2" Sq Drive Insulated Micrometer Torque Wrench 20-100Nm - Manual &amp; Specifications</a></p> <p>Instruction manual and specifications for the Sealey STW807 1/2" Sq Drive Insulated Micrometer Torque Wrench (20-100Nm). Features include Chrome Vanadium steel, BS EN ISO 6789:2017 calibration, and 1500V DC / 1000V AC insulation.</p>
	<p><a href="#">WISRETEC Digital Torque Meter User Manual - ADQ Series</a></p> <p>Comprehensive user manual for the WISRETEC ADQ series digital torque meters. Details features, specifications, operation, data management, maintenance, and safety guidelines for accurate torque measurement.</p>

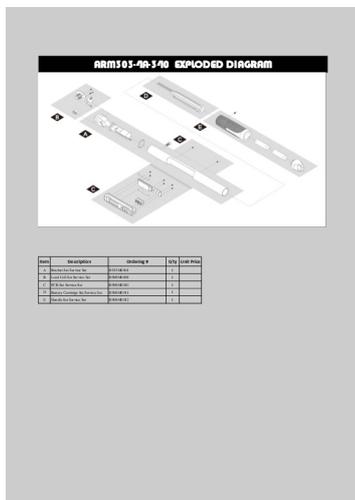


LX-185 USER MANUAL

[Lexivon LX-185 3/4-Inch Drive Click Torque Wrench User Manual](#)

Comprehensive user manual for the Lexivon LX-185 3/4-inch drive click torque wrench. Includes detailed instructions on setting torque in ft-lb and Nm, operation, maintenance, storage, specifications, and unit conversions. Essential guide for accurate torque application.

Documents - ACDelco Tools – ARM303-4A-340



[\[pdf\]](#) Parts List Diagram

cpr004 ARM303 4A 340 EXPLODED DIAGRAM Service Parts List acdelco tools |||

**ARM303-4A-340 EXPLODED DIAGRAM** Item Description A Ratchet Set Service Set B Load Cell Set Service Set C PCB Set Service Set D Battery Cartridge Set Service Set E Handle Set Service Set Ordering # RS33M0001 RS99M0009 RS99M0010 RS99M0011 RS99M0012 Q ty Unit Price 1 1 1 1 1 ...

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[\[pdf\]](#) User Manual Owner's Manual Instructions Declaration of Conformity

Microsoft Word 00NA Product Information Manual Digital Angle Torque Wrench ARM303 4A 340 FP doc user this manual contains important information regarding safety operation maintenance and storage of product ce manuel contient des informations importante concernant la securite l 39 et le stockage de produit este contiene informaciÓn acerca 1 Remove the batteries if stored for a long period time 2 Keep spare on hand when going trip or to cold areas 3 Do not mix type combine used with new ones 4 Sweat oil water can prevent terminal from making electrical contact A1e5xeDL uL adt arm313 2a Tool images na ssl amazon I static summitracing global instructions acdelco tools 80

**ARM303-4A-340 DIGITAL ANGLE TORQUE WRENCH PRODUCT INFORMATION MANUAL** Manuel informations du produit Manual informacin del producto English Franais Espaol THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING SAFETY, OPERATION, MAINTENANCE AND STORAGE OF THIS PRODUCT. CE MANUEL CONTIENT DES INFORMATIO...

lang:en score:34 filesize: 1.65 M page\_count: 45 document date: 2015-07-06