



Model:

91350D

Product Type:

**WORLD'S 1ST 350 FT.-LB. 1/2" DRIVE
TORQUE WRENCH - DIGITAL**



WARNING



Study, understand and follow all instructions provided with this product. Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.

INTENDED USE OF THE TOOL

The 91350D is designed to be used with 3xAAA batteries or your own 18650 li-ion cell to measure and impart your desired torque from 13-350 ft-lbs. Do not use this tool outside of the designed intent. Never modify the tool for any other purpose or use.



WARNING



Caution: To help prevent personal injury

- Use of this product can expose you to chemicals such as phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product. Always wear ANSI approved safety equipment, safety glasses and clothing when using this product. Study, understand, and follow all instructions provided with this product. Failure to read and follow all warnings and operating instructions may result in damages and serious injury or death.
- Always wear ANSI approved goggles when using this product. (Users and By standers).
- Never use this tool for any application other than for which it was designed.
- Only use accessories designed for this tool.
- Never alter or modify this tool in any way.
- Improper operation and/or maintenance of the tool, modification of the tool, or use of the tool with accessories not designed for it could result in serious injury or death.
- Always select the correct accessories of the correct size and design for the job that you are attempting to perform.
- Always work in a clean, safe, well-lit, organized and adequately equipped area.
- Do not begin repairs without assurance that vehicle is in secure position, and will not move during repair.

BEFORE USE

When unpacking, check the parts diagram and part number listing on page 3 to make sure all parts are included. If any parts are missing or damaged, please call your distributor.

DO NOT DISCARD – GIVE TO USER



**Astro Pneumatic
Tool Company**

www.astrotools.com

1 YEAR LIMITED WARRANTY

- Astro Pneumatic Tool Co. warrants our products to the original user against defective material or workmanship for a period of 1 year (except where noted on our price schedule) from the date of 1st use. Astro reserves the right to determine whether the product failed because of defective material, workmanship or other causes and to charge back for missing parts. Astro Pneumatic Tool Co., at its discretion, will repair products covered under this warranty free of charge. The distributor should direct the original user to return the product (with the exceptions listed below) with the distributor's name, address, adequate proof of date of purchase or a copy of warranty card, and a short note explaining the problem. **Failures caused by accident, alteration, or misuse are not covered by this warranty.**
- Astro Pneumatic Tool Co. or its authorized service representatives must perform all warranty repairs. Any repair to the product by unauthorized service representatives voids this warranty. The rights under this warranty are limited to the original user and may not be transferred to subsequent owners.
- This warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Some states do not allow the exclusion of limitations of incidental or consequential damages so the above limitations may not apply to you.



**PLEASE DO NOT RETURN ANY PRODUCT WITHOUT CALLING
1-800-221-9705 FOR INSTRUCTIONS**



PRODUCT INFORMATION

- The 1st 1/2" torque wrench that can tackle it all, from 13 to 350ft-lbs with 0.1 resolution
- High contrast color display, audible beep and physical buzzer all powered by included 3xAAA batteries or your own 18650 rechargeable cell
- Longer 33.5" length to provide the leverage needed for higher torque levels



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SPECIFICATIONS

Accuracy:	± 2 %
Square Driver:	1/2 inch
Range(Lb-ft):	12.5 lb-ft – 350.6 lb-ft
Resolution:	0.1
Memory:	50 memory spaces (P1-P50 Auto Record)
Operation Modes:	Peak or Trace
Unit Selection:	Kg-cm, lb-in, lb-ft, N-m
Size(mm):	850 x 40 x 40
Battery:	AAA DC 1.5V x 3 pcs (or your own 18650 lithium-ion cell using the included adapter sleeve)
Operation Temperature:	-10°C~ 60°C (13.9°F~ 139.9°F)
Storage Humidity:	-20°C~ 70°C (-4°F~ 157.9°F)
Operation Humidity:	15~90%
Auto Turn-Off:	After not used for 80 seconds

FEATURES

1. 50 data sets of memory capacity with QUICK SET function.
2. 7 LEDs green(-20%) / orange(100%) / red(+20%) for visual alerting.
3. 90T Gear teeth.
4. Standard functions: torque setting, measurement setting, mode setting.
5. Operation in both clockwise and counter-clockwise directions.
6. Multicolor LCD display shows kg-cm, lb-in, lb-ft, N-m.
7. Audible torque confirmation by means of buzzer, and vibration.
8. Easy to set up Peak or Trace modes.
9. Anti-slip soft grip

FUNCTION SETTINGS

1. **Battery >>> Install and change batteries:** Open the end cap then insert 3-AAA batteries (positive end first) into compartment, tighten the cap. Make sure cap is fully turned and snapped into locked position.
- Or install your own charged 18650 lithium-ion cell into the included sleeve, display may show different charge level when full based on your cell's native charged voltage.
2. **"⏻" >>> Switch on/off the power**
Pressing the power button for 3 seconds will turn on the LCD screen and buzzer.
There are two modes **TRACE** **PEAK**.
3. **Set Torque Unit Selection:** kg-cm, lb-in, lb-ft, N-m
Please press the **+**, **-** button at the same time and release them to select different units.
4. **Set Torque Value**
Press the **+** or **-** button to adjust the value then release it to set torque, the value will be memorized after flashing 3 seconds then LCD will show 0.0 automatically.
5. **Peak Hold/Track Mode Operation**
Press **⏻** & **M** at same time then release it alternate between Peak Hold and Track Mode.
6. **Backlight function**
When power is on, click power button to turn on/off backlight.
7. **Auto shutoff**
The power will auto shutoff after 80 seconds of non use.
8. **Memory function & Quick set function**
In Peak Hold mode **PEAK**, press Mem **M** for one second then release it to set up the memory P01~P50, there are 50 data points of memory that it cycles. Choose any P01~P50 data and press Mem for three second then release it to set up.



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NOTE

1. If the battery capacity is low, a battery symbol will be displayed on the screen to remind you to change new batteries.
2. If the wrench will not be in use for a period of time, remove the batteries from compartment
3. The battery life is not only required for display, lights and buzzer but the accuracy of the tool.

PARTS BREAKDOWN

Call 1.800.221.9705 for questions concerning performance of the product or other inquiries.

