

# Owner's Manual & Safety Instructions

**Save This Manual** Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

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## **PITTSBURGH<sup>PRO</sup>**

**68283**

### ***1/2" Drive Digital Torque Adapter***



Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

#### **⚠ WARNING**

**Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.**

## Specifications

Drive Size	1/2"
Accuracy	± 2%
Included Adapters	1/2" - 3/8" 1/2" - 1/4"
Torque Range	29.5 ft-lb to 147.5 ft-lb
Auto Shutdown	After 70 Seconds
Memory	Stores up to 50 torque readings
Battery	Two AAA Batteries (Included)

## Important Safety Information

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### NOTICE

NOTICE is used to address practices not related to personal injury.

### CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

## General Safety Warnings



**WARNING** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in serious injury. Save all warnings and instructions for future reference.

1. Wear ANSI-approved safety goggles during use.
2. Do not exceed the Digital Torque Adapter's max. torque value.
3. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries. Position batteries in proper polarity. Do not use swollen or leaking batteries.
4. Use as intended only. Do not use as prybar or hammer.
5. Do not submerge Digital Torque Adapter.
6. Do not disassemble Digital Torque Adapter.
7. Do not expose the Digital Torque Adapter to extreme temperature, humidity, or direct sunlight.
8. Do not excessively shake Digital Torque Adapter.
9. This product is not a toy. Keep it out of reach of children.
10. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



**SAVE THESE INSTRUCTIONS.**

## Instructions for Putting into Use



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

## Functions



## Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

1. Securely fasten Adapter to ratchet.
2. Attach an adapter to end of anvil, if desired. Once fastened, press the Power button to activate the Adapter. The LCD Display will show "trACE" and "PtoP."
3. After two seconds, the Display will show "00.0".
4. Swing the Adapter. The Display will show the measured torque.
5. **Note:** If you do not use the Adapter, the Adapter will eventually shut off.

6. Press the Memory ("M") button and the "P/T" button at the same time to select the desired torque unit.
7. The Adapter contains three unit selections: kg-m, ft-lb and N-m.
8. To increase the current torque value, press and hold down the Increase ("+") button until value is reached.
9. To lower the current torque value, press and hold down the Decrease ("-") button until value is reached.
10. **Note:** The Display will show "00.0" if no selection is made after ten seconds.
11. During operation, the LED light will flash GREEN.
12. Once you are 20% away from targeted torque, the LED will flash YELLOW and the buzzer will beep.
13. When targeted torque is reached, the LED will change to RED and a long buzz will sound.
14. To set peak torque, press and release the "P/T" button when Adaptor is on.
15. The Display will show "PtoP" and then "00.0" two seconds later.
16. To trace torque setting, press and release "P/T" button.
17. The Display will show "trACE" and then "00.0" two seconds later.
18. To store a torque reading, have the Digital Torque Adapter in "PtoP" mode. When you use it, the Adapter can store the reading automatically.
19. Press the Memory button. The Display Panel will show the stored reading as "P01".
20. To show the second stored reading, press the Memory button again for one second. The second torque value will be designated as "P02".
21. The Digital Torque Adapter can store up to fifty torque values, the highest being "P50".
22. **Note:** "P50" will be the most recent saved setting while "P01" will be the oldest.
23. If the torque setting is exceeded by 125%, the LED will flash RED and the alarm will beep.
24. **WARNING!** Do not press the Memory and Power buttons at the same time. This will calibrate the tool and alter the preset values.
25. To turn off the Adapter, press the Power button OR wait for the Adapter to turn off automatically.
26. Clean, then store the tool indoors out of children's reach.

## Maintenance and Servicing



Procedures not specifically explained in this manual must be performed only by a qualified technician.

### Replacing Batteries

1. **NOTE:** When battery power is low, a "⚡" icon will appear on the display screen. Battery life will depend on battery quality and amount of hours tool is used.
2. To replace batteries, unfasten screws holding Battery Cap in place and remove Battery Cap from device.
3. Remove old batteries.
4. Install new AAA batteries, making sure to follow indicated polarity.
5. Replace Battery Cap and screws.
6. Remove batteries if Torque Adapter will be stored for a long time.

### Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose hardware, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces of the tool with clean cloth.
3. Do not use cleaning agents to clean the non-metal parts of the tool. Use only a mild detergent or a damp cloth. Do not let water come into contact with tool.

### Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. **THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.**

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**PITTSBURGH PRO**

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