

CENTECH

Digital Photo Sensor Tachometer

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

Item 66632

INSTRUCTIONS AND PRECAUTIONS

Visit our website at:
<http://www.harborfreight.com>

⚠️ WARNING

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

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**For technical questions,
please call 1-800-444-3353.**



Specifications

Display	LCD 5 Digits
RPM Range	6 - 99999 RPM
Accuracy	± 0.05% +1 RPM
Power Source	(4) 'AA' Batteries or 6VDC (neither included)
Operating Environment	32° - 104° F, < 85% Humidity
Includes Reflective Tape	

Important Safety Information

1. When in use, this tool is near rotating parts.
Do not touch rotating parts.
Do not wear loose clothing when working with rotating parts.
Contain hair, jewelry and any item that may become entangled in rotating part.
2. This product is not a toy. Do not allow children to play with or near this item.
3. Position batteries in proper polarity and do not install batteries of different types, charge levels, or capacities together.
4. Use as intended only.
5. Inspect before every use; do not use if parts are loose or damaged.
6. Wear ANSI-approved safety goggles when working.
7. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Set Up

Before first use, remove clear protective covering from Display.

Battery Installation

Note: Install batteries before use and replace the batteries when the Low Battery Indicator (see Figure C) appears.

1. Remove Screw and Battery Cover on back of Tachometer.



Figure A: Battery Compartment

2. Install 4 'AA' batteries in battery compartment, matching polarity markings inside battery case.
3. Replace Battery Cover and Screw. Do not overtighten.

Note: This tool may be used with a 6VDC power adapter instead.

Operating Instructions



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

1. Cut a 3/4" length of reflective tape (included), peel off the backing and attach the reflective tape to the object to be measured.

Note: The longer the piece of reflective tape, the easier it is to make the measurement. However, the tape must not wrap all the way around the object.

2. Point the Tachometer at the reflective tape on the object, holding the tool approximately 2" to 8" away.
3. Start the object turning.
4. Press and hold the Test Button, keeping the tachometer perpendicular to the reflective tape surface.

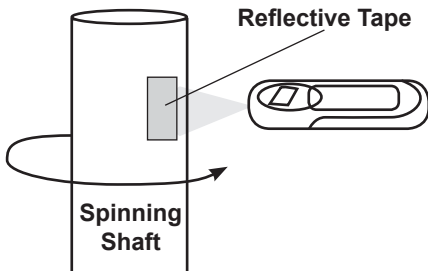


Figure B: Taking Measurement

5. After several seconds, a reading will appear on the Display. When the reading is stable, or almost stable, note the reading on the Display and then release the Test Button.

Note: If the reading fails to appear, adjust the Tachometer's angle so that it is perpendicular to the reflective tape on the object and/or adjust the distance between the Tachometer and the reflective tape.

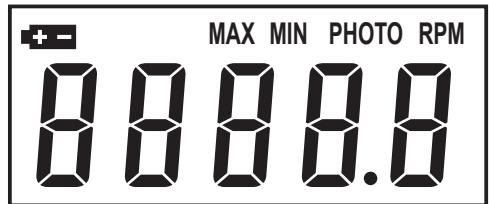


Figure C: Display

Table A: Symbol Key	
	Low Battery Indicator; batteries are low and need replacing
MAX	Maximum reading is displayed
MIN	Minimum reading is displayed
PHOTO	Photo-electricity mode symbol
RPM	Revolutions per minute (RPM)

After the test button is released, the maximum, minimum and last measurements are stored. To access previous measurements, press and release the Memory Button repeatedly to cycle through the measurements. The indicators above the digits will appear as described in Figure C.

Record Serial Number Here: _____

Note: Replacement parts are not available for this item.

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

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.

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