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. 21k

Bauer™

20204L-B

16 FT TILE/FLOORING LASER LEVEL

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

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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.

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WARNING SYMBOLS AND DEFINITIONS	
⚠	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	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

Safety Warnings and Precautions

⚠WARNING

Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

1. Never attach or use any other form of optical device with this product. Use as intended only.
2. Do not modify in any way as this may result in hazardous radiation exposure.
3. This product is not a toy. Do not allow children to play with or near this item.
4. Inspect before every use; do not use if parts are loose or damaged.
5. Avoid damaging Laser Level. Use only as specified in this manual.
6. Power this Laser Level using only the batteries referenced in the Specifications Chart.
7. Stay alert. Watch what you are doing, use common sense. Do not operate any Laser Level when you are tired.
8. Do not operate Laser Level if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the Laser Level.

8. Do not look into laser. Do not point laser at persons or animals directly or indirectly off of reflective surfaces.
9. Performance of this Laser Level may vary depending on battery condition.
10. The Laser Level is a delicate instrument; do not drop or jar the Laser Level.
11. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
12. Do not install old and new batteries together. Do not install alkaline, carbon-zinc or rechargeable batteries together. Position batteries in proper polarity. Do not use swollen or leaking batteries.
13. Do not attempt to charge batteries
14. Have the Laser Level calibrated by a qualified technician every year to maintain accurate results.
15. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
16. The warnings, cautions, 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.

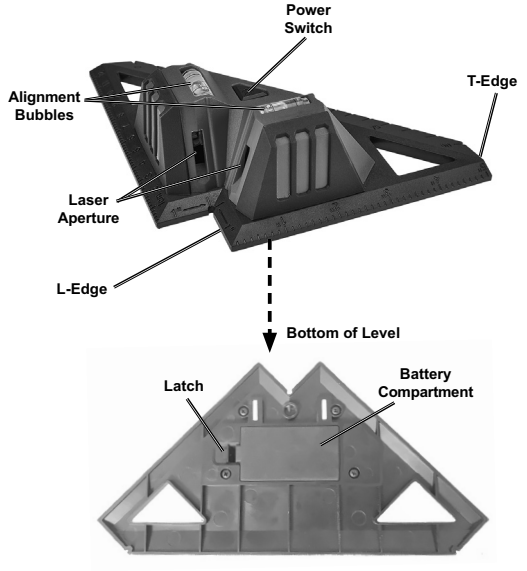
Specifications

Working Range	Up to 16.4 ft (5 meters)
Accuracy	± 0.5mm/m (± 3/16" @ 33 ft)
Battery	2x AA (Included)
Operating Temperature	32°F - 104°F (0°C - 40°C)
Operating Environment	Indoors

Setup - Before 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.

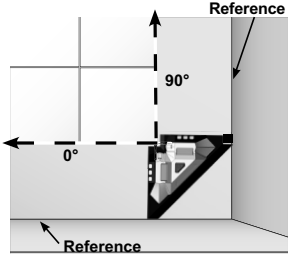
Functions



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.

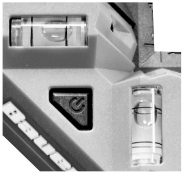
General Operation

1. Install batteries as described in "Battery Replacement" on page 7.
2. Set the Level on a flat, level surface.
3. To mark guidelines:
   a. Place the bottom on the Level on the floor or wall. Press the Power Switch to turn on the laser.
   b. Place the T-Edge against a wall so that the laser lines run parallel to reference lines.

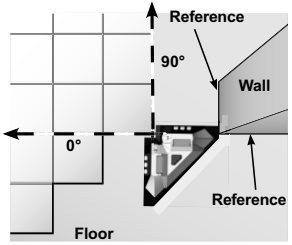


   c. If on the wall, align the Level so that the 0° Alignment Bubble is level and the 90° Alignment Bubble is at the top.

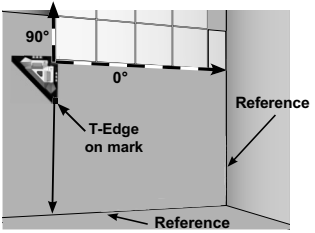
   d. If on the floor, align the Level so that both Alignment Bubbles are level.



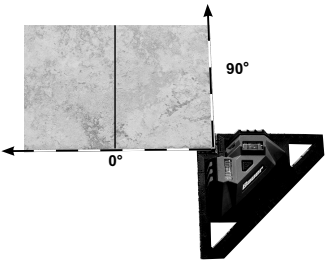
4. To lay tiles on the floor:
   a. Position Level in a corner so that laser lines run parallel to the reference lines as shown in Step 3.
   b. Lay the first tile so that the sides are flush with the 0° and 90° laser lines.
   c. If laying next to an edge, position the Level so that the T-Edge is against the side of the edge. The 90° laser line should run parallel to the edge and the 0° laser line marks the tile row.



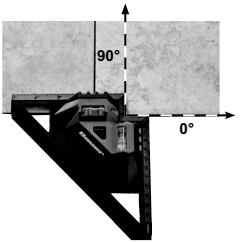
5. To apply tiles to a wall:
   a. Determine the height at which the first tile row should begin and mark the wall using the ruler on the Level or other measuring device.
   b. Place the T-Edge at the mark and straighten the Level so that the 0° laser line is parallel with the floor.



6. To check the alignment of a row of tiles, place L-Edge at the corner of a tile.



7. To check the alignment of a single tile, place the Level's edge on top of the tile as shown below.



8. When finished with the Level, press the Power Switch to turn it OFF. Store Level in a dry indoor area away from children, If storing for a long period, remove the batteries.

Maintenance and Servicing

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

Cleaning, Maintenance, and Lubrication

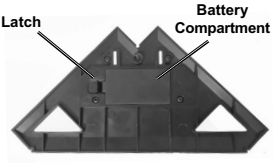
1. Wipe unit with a dry, lint-free cloth. Do not use solvents or abrasives.
2. Remove batteries if not in use for long periods.
3. Store unit in a dry location.
4. Other than the batteries, there are no replaceable parts on this unit. **Repairs should be done by a qualified technician.**

Battery Replacement

1. Turn the Level's Power Switch OFF.
2. Remove battery cover by pressing the Latch and removing the cover.
3. Remove old batteries. Replace with new AA batteries follow polarity.

Note: Do not install old and new batteries together. Do not install alkaline, carbon-zinc or rechargeable batteries together. Position batteries in proper polarity. Do not use swollen or leaking batteries.

4. Replace battery cover and be sure the Latch connects securely.



Bottom Of Level

Calibration

Have the Laser Level calibrated by a qualified technician every year.

Record Serial Number Here:

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

Note: Replacement parts are not available for this item.
Reference UPC 193175427045.

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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