



Magnetic Torpedo Laser Level
Model No. 40-0915



Instruction Manual

Congratulations on your choice of this Magnetic Torpedo Laser Level. We suggest you read this instruction manual thoroughly before using the instrument. Save this instruction manual for future use.

This is a Class IIIa laser tool and is manufactured to comply with CFR 21, parts 1040.10 and 1040.11 as well as international safety rule IEC 285.

Table of Contents

1. Kit Contents
2. Features and Functions
3. Safety Instructions
4. Location/Content of Warning Labels
5. Location of Parts/Components
6. Using the Product
7. Technical Specifications
8. Application Demonstrations
9. Care and Handling
10. Product Warranty

1. Kit Contents

<u>Description</u>	<u>Qty.</u>
Magnetic Torpedo Laser Level	1
“AAA” Alkaline Batteries	2
Instruction Manual	1

2. Features and Functions

- Able to project laser point
- Able to project a horizontal laser line
- Able to project a vertical laser line
- Magnetic bottom allows unit to be attached to metal

3. Safety Instructions

Please read and understand all of the following instructions, prior to using this tool. Failure to do so, may void the warranty.

DANGER!

Class IIIa Laser Product

Max. Power Output: $\leq 5\text{mW}$

Wavelength: 640-660nm

**THIS TOOL EMITS LASER RADIATION.
DO NOT STARE INTO BEAM.
AVOID DIRECT EYE EXPOSURE.**



ATTENTION

IMPORTANT

- Read all instructions prior to operating this laser tool. Do not remove any labels from tool.
- Do not stare directly at the laser beam.
- Do not project the laser beam directly into the eyes of others.
- Do not set up laser tool at eye level or operate the tool near a reflective surface as the laser beam could be projected into your eyes or into the eyes of others.
- Do not place the laser tool in a manner that may cause someone to unintentionally look into the laser beam. Serious eye injury may result.
- Do not operate the tool in explosive environments, i.e. in the presence of gases or flammable liquids.
- Keep the laser tool out of the reach of children and other untrained persons.
- Do not attempt to view the laser beam through optical tools such as telescopes as serious eye injury may result.
- Always turn the laser tool off when not in use or left unattended for a period of time.
- Remove the batteries when storing the tool for an extended time (more than 3 months) to avoid damage to the tool should the batteries deteriorate.
- Do not attempt to repair or disassemble the laser tool. If unqualified persons attempt to repair this tool, warranty will be void.

CAUTION: If using this product with any type of tinted goggles, please note safety warning below.

WARNING!

The tinted goggles are designed to enhance the visibility of the laser beam. They DO NOT offer protection to the eyes from direct exposure of the laser beam.



4. Location/Content of Warning Labels



DANGER

**LASER RADIATION
AVOID DIRECT EYE
EXPOSURE.**

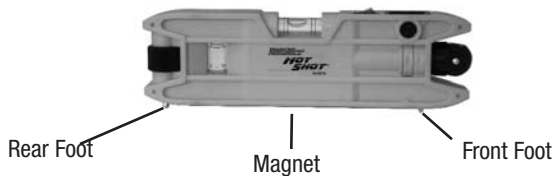
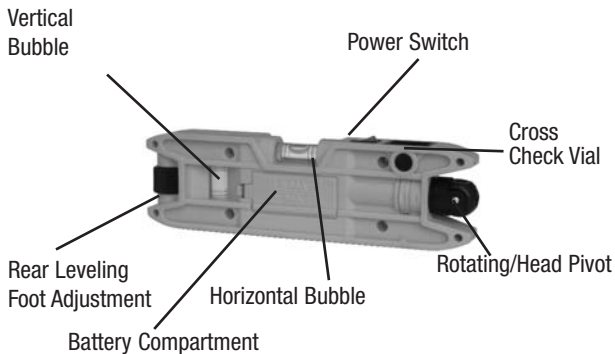
 **MAXIMUM OUTPUT POWER
< 5mW @ 640-660nm**

**CLASS IIIa LASER PRODUCT.
THIS PRODUCT COMPLIES
WITH THE APPLICABLE
REQUIREMENTS OF 21CFR
PARTS 1040.10 & 1040.11.**

Mfg. for Johnson Level & Tool Mfg. Co., Inc.
6333 W. Donges Bay Rd., Mequon, WI 53092

Manufactured in China by JLT05
Date (m/y): _____

5. Location of Part/Components



6. Using the Product

Battery Installation

Remove battery door on side of unit, and put in two alkaline “AAA” batteries according to the illustrated polarity requirements, on the battery cover door. Replace the battery door.

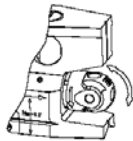
Note: Used (discharged) batteries are hazardous waste and should be disposed of properly.

Power On/Off

1. Press power switch to project laser line or point.
2. Press power switch again to shut off laser output.

Switch Between Laser Point and Laser Line

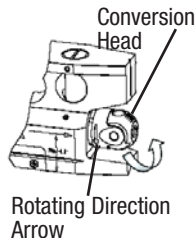
1. Rotate the head to switch between laser line and laser point. Rotating the head up or down converts laser from a dot to a line, or line to a dot. Rotating the conversion head lens counter-clockwise, while in line mode, rotates line from horizontal to vertical.



Rotate to switch between point and line

Note: The rotating head can only be turned in the direction indicated by arrow.

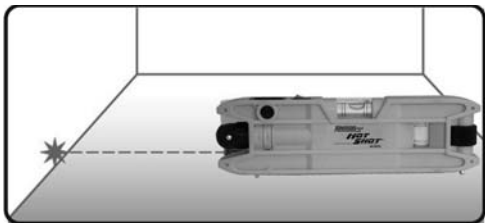
Rotatable Line Status



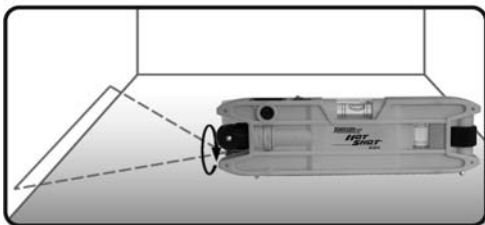
7. Technical Specifications

Laser Wavelength	650nm \pm 10
Laser Classification	Class IIIa
Maximum Power Output	\leq 5mW
Accuracy	\pm 3/8"/50 ft. (\pm 0.5mm/m)
Interior Range	Up to 100 ft. (30m) depending upon light conditions
Power Supply	2 "AAA" alkaline batteries
Battery Life	Approx. battery life 70 hours continuous use
Dimensions	2" x 7" x 7/8" (51 x 177 x 22mm)
Weight	0.3 lbs. (0.14 Kg)
Working Temperature	14°F to 113°F (-10°C to +45°C)

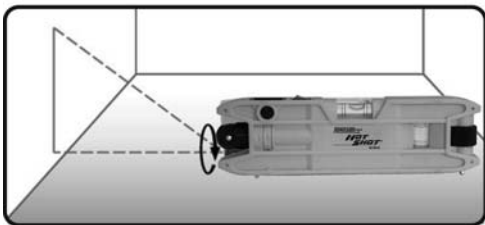
8. Application Demonstrations



Projects one laser point



Projects one horizontal laser line



Projects one vertical laser line

9. Care and Handling

- This laser unit is a precision tool that must be handled with care.
- Avoid exposing unit to shock vibrations and extreme temperatures.
- Before moving or transporting the unit, make sure that the unit is turned off.
- Remove the batteries when storing the unit for an extended time (more than three months) to avoid damage to the unit should the batteries deteriorate.
- Avoid getting the unit wet.
- Keep the laser unit dry and clean, especially the laser output window. Remove any moisture or dirt with a soft, dry cloth.
- Do not use harsh chemicals, strong detergents or cleaning solvents to clean the laser unit.

10. Product Warranty

Johnson Level & Tool offers a one year limited warranty on each its products. You can obtain a copy of the limited warranty for a Johnson Level & Tool product by contacting Johnson Level & Tool's Customer Service Department as provided below or by visiting us online at www.johnsonlevel.com. The limited warranty for each product contains various limitations and exclusions.

NOTE: The user is responsible for the proper use and care of the product.

It is the responsibility of the user to verify the calibration of the instrument before each use.

For further assistance, or if you experience problems with this product that are not addressed in this instruction manual, please contact our Customer Service Department.

In the U.S., contact Johnson Level & Tool's Customer Service Department at 800-563-8553.

In Canada, contact Johnson Level & Tool's Customer Service Department at 800-346-6682.