PITTSBURGH®

Laser Range Finder

Item 67802

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.

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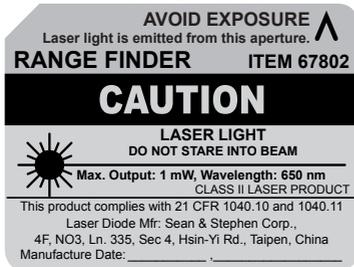
For technical questions, please call 1-800-444-3353.

Specifications

Working Range	32′
Accuracy	±2%
Battery	1x 9V

Product Label

AVOID EXPOSURE
Laser light is emitted from this aperture.
RANGE FINDER   **ITEM 67802**

CAUTION

LASER LIGHT
DO NOT STARE INTO BEAM

Max. Output: 1 mW, Wavelength: 650 nm
CLASS II LASER PRODUCT

This product complies with 21 CFR 1040.10 and 1040.11
Laser Diode Mfr: Sean & Stephen Corp.,
4F, NO3, Ln. 335, Sec 4, Hsin-Yi Rd., Taipen, China
Manufacture Date: _____ ._____

Important Safety Information

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. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Battery Installation / Replacement

Before first use or if the Battery Indicator shows empty, then replace the battery:

1. Slide the Battery Cover down and off the back of the Meter.

2. Remove the old connected Battery.

3. Disconnect the old Battery. Dispose of it properly or recharge if rechargeable.

4. Reconnect new 9V Battery. It will properly attach only one way.

5. Insert connected Battery into compartment.

6. Slide the Battery Cover closed.

Components

Figure A: Components

1. **Laser Opening:**
   Laser light comes from this opening during use. Point away from eyes.

2. **Sensor:**
   This measures the location aimed at with the laser.
   Do not cover during use.
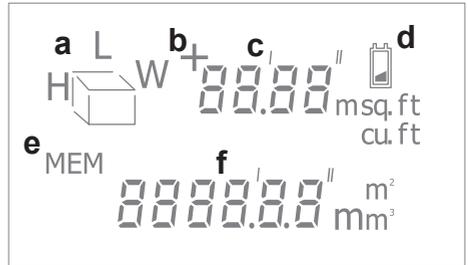
3. **Display:**

Figure B: Display

a. **Area/Volume:**
   Shows whether area or volume is being measured, and what part is being measured (Length, Width, or Height).

b. **Addition:**
   A **+** here means that the next measurement will be added to the current one.

c. **Current Result:**
   The distance last measured or currently being measured.

d. **Battery Indicator:**
   The estimated battery charge level. See **"Battery Installation / Replacement"** on page 3.

e. **Memory:**
   MEM means a measurement is stored in memory.

f. **Total Result:**
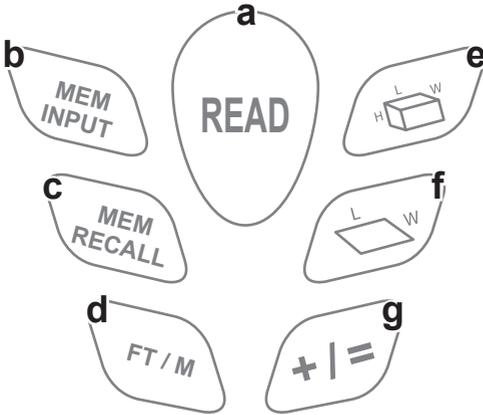   Total area, volume, or result of addition.

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

4. **Buttons:**

Figure C: Buttons

5. **Measurement Base:**
Rest this base against the surface you want to measure from before taking a measurement.

a. **Read:**
Takes a measurement.

b. **MEM Input:**
Stores current measurement to memory.

c. **MEM Recall:**
Displays stored measurement from memory, then clears it from memory.

d. **FT / M:**
Toggles between foot and meter units of measure.

e.
Volume calculation mode.

f.
Area calculation mode.

g. **+ / =**
Toggles addition mode.

⚠️ **Read the <u>ENTIRE</u> IMPORTANT SAFETY INFORMATION section at the beginning of this document before set up or use of this product.**

Distance Measurement

1. Place measurement base against object to measure from.

2. Point at target and press **READ**. Laser will show only while **READ** is pressed.

3. For a continuous measurement, press and hold **READ** while moving.

4. Each measurement erases the previous one.

5. Measured distance is displayed as Current Result at top of the Display.

6. Unit automatically turns off after 30 seconds of inactivity.

7. **TIPS:**

   • There must be no objects in the measurement path.

   • For accuracy, choose a target that is flat and large with hard surfaces or put a piece of cardboard in front of the target.

   • The meter will only measure up to glass, but not through it.

Addition

<u>Note:</u> Addition can be used for distance, area, or volume measurements.
However, those measurements are different units (for example, feet, square feet, and cubic feet) and **cannot be added together**.

1. Take first measurement as explained under **"Distance Measurement"**.

2. Press **+ / =** button. A **+** will appear above and to the left of the Current Result.

3. Take another measurement as explained under **"Distance Measurement"**.

4. Press **+ / =** button again. Combined measurement is displayed as Total Result at the bottom of the display.

5. **Steps 3 and 4** can be repeated to add more measurements.

Memory

Note: Memory can be used for distance, area, or volume measurements.

1. Press **MEM INPUT** to store displayed Total Result in memory. If only a Current Result is displayed, it will be stored instead. **MEM** will appear on Display.

2. Press **MEM RECALL** later to display stored memory and clear it. **MEM** will disappear from Display.

3. **MEM RECALL** can be used in **steps 1 or 3** of **"Addition"** instead of taking new measurements.

Area/Volume Calculation

Note: Area/volume calculation cannot be exited before calculation is complete.

1. Press ⬡ᴸ⌐ᵂ button to enter area calculation mode or press ₕ⬡ᵂ button to enter volume calculation mode.

2. The **L** will blink. Take measurement for length as explained under **"Distance Measurement"**.

3. Then, the **W** will blink. Take measurement for width as explained under **"Distance Measurement"**.

4. **For area calculation,** the **H** will blink. Take measurement for height as explained under **"Distance Measurement"**.

5. The area/volume is displayed as Total Result at the bottom of the display.

6. The Current Result will display the last measurement taken. Press **READ** briefly to cycle through the measurements taken.

7. Press ⬡ᴸ⌐ᵂ or ₕ⬡ᵂ button to take another area or volume calculation.

8. Press and hold **READ** button for a few seconds to exit area/volume calculation.

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.

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