Thank you for purchasing this Johnson laser distance meter, the fastest way to dimension your jobsite. LDM's excel at measuring where a tape measure can't and are indispensable tools for measuring and layout on your jobsite.

The LDM150 features:

- IP54 (dust and rain proof) construction.
- 1/16" accuracy certification per ISO16331-1 standards.
- Jobsite durability - the LDM 150 can survive a 3' drop onto concrete without losing accuracy!
- Addition and subtraction modes.
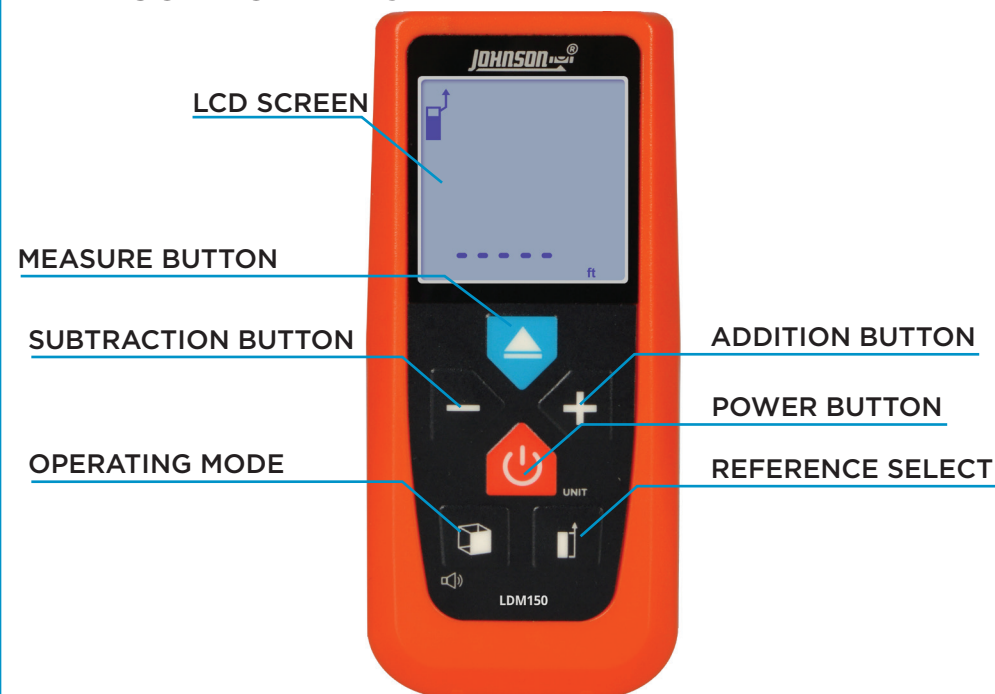- Indirect measurement modes for difficult to measure lengths.

MAIN COMPONENTS

LCD SCREEN

MEASURE BUTTON

SUBTRACTION BUTTON

ADDITION BUTTON

POWER BUTTON

OPERATING MODE

REFERENCE SELECT

GETTING STARTED

1. Install 2xAAA batteries.
2. Power on the LDM by pressing ⬆ or ⏻.
3. Hold ➕ for 3 seconds to check battery life.
4. Set the zero reference point to the front or rear of the tool. Press 📐 until the desired reference is shown on the screen.

    FRONT: The zero point is taken from the front edge.   **REAR:** The zero point is taken from the rear edge.

5. Press ⏻ to set the measurement unit.
6. Hold 📦 to adjust the volume to high, low or off.
7. Press 📦 repeatedly to select the operating mode. See OPERATING MODES for more details on the available modes.
8. Press ⬆ to take a measurement.

BUTTON OVERVIEW

POWER: While off, press to power on. While on, press to change units or press and hold to power off.

MEASURE: While off, press to power on. While on, press to take a measurement. Press and hold to enter continuous measure mode.

REFERENCE: Press to change the measurement reference (zero point) to either the front of the tool or the rear of the tool.

MODE: Press to change operating mode. Press and hold to change the sound (high/low/off).

ADD/SUBTRACT: Used to perform arithmetic calculations on different measurements.

1. Take the first measurement.
2. Press ➕ for addition or ➖ for subtraction.
3. Take the second measurement.
4. The tool will show the arithmetic result.

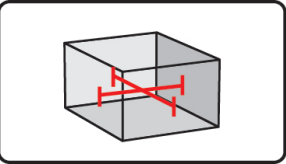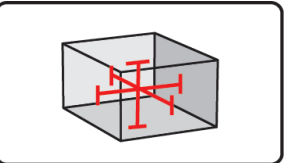Download this QSG or operator manual at: www.johnsonlevel.com/manuals

OPERATING MODES

USING THE DIFFERENT OPERATING MODES: To cycle through the different operating modes, press ⬛ repeatedly until the desired mode is indicated on the LCD display, as depicted below. Once you have reached the desired mode, you may immediately begin to take your measurements.
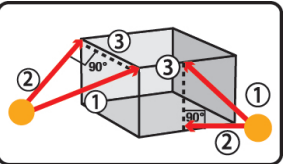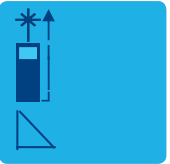
LENGTH: Aim tool at desired target and press 🔼 to record a single length.

AREA: Aim tool at first target and press 🔼 to record the length. Aim tool at second target and press 🔼 to record the width. The LDM will display the resultant area.
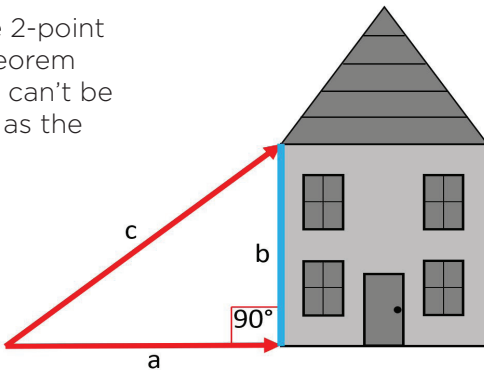
VOLUME: Aim at first target and press 🔼 to record length. Aim at second target and press 🔼 to record width. Aim at third target and press 🔼 to record height. Volume will be displayed.

2-POINT INDIRECT: Measure the hypotenuse by pressing 🔼. Measure the adjacent leg by pressing 🔼. Tool will show the opposite leg length.

ABOUT 2-POINT INDIRECT MODE: The 2-point indirect mode uses the Pythagorean theorem ($a^2 + b^2 = c^2$) to calculate a length that can't be measured by conventional means, such as the height of a building with no eave.

To guarantee accuracy, ensure that you hold the tool at ground level and at a 90° angle to the building for the measurement of length a, and use the same starting position when measuring length c.

TROUBLESHOOTING

- **Tool does not power on or remain on -** Replace batteries. Check battery polarity.
- **Measurement is incorrect by about 4 inches -** Check your measurement reference and adjust accordingly. See "GETTING STARTED".
- **The tool shows "Err" and a number -** Error codes are diagnosed as follows:
  - **Err01:** Tool's operating range is exceeded
  - **Err02:** Weak return laser signal
  - **Err03:** Value exceeds what LCD can display
  - **Err04:** Low battery
  - **Err05:** Tool is outside temperature range
  - **Err06:** Ambient light is too high to operate

Err02 indicates the tool can't receive the laser signal. Ensure the receiving window is clean. Ensure the target is non-porous. Porous surfaces include cinder blocks, carpet, foam, etc. A reflective target or white sheet can be used over porous surfaces to take measurements.

PRODUCT REGISTRATION

Please register your product within 30 days of purchase.

Registering ensures we have your information on file for warranty service even if you lose your receipt and lets us contact you if there is ever a product recall.

We will never sell your information and will only send you marketing information if you opt-in.

To register, scan or click:

LEVEL UP.®

We want to get you up and running as quickly as possible - but this quick start guide is not a replacement for reading and understanding your operator's manual! To download your manual, scan the QR code or visit our manual website.

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