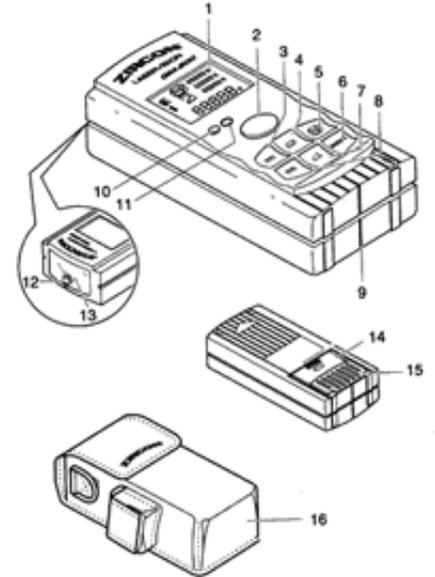


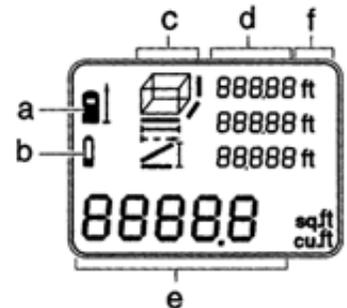
Product Elements

1. LCD Display
2. Measure Button
3. Length Measurement Button
4. Area Measurement Button
5. Volume Measurement Button
6. On/Off Button
7. Indirect Length Measurement Button
8. Continuous Measurement Button
9. Aligning Aid
10. LCD Backlight Switch
11. Measurement Mode Function Switch
12. Laser Beam Aperture
13. Lens Protector
14. Battery Compartment
15. Positioning Bracket
16. Protective Case



Display Elements

- a. Measurement From the Rear Edge
- b. Battery Power Indicator
- c. Function Indicator
- d. Individual Measurement Number
- e. Calculated Measurement Number
- f. Measuring Units

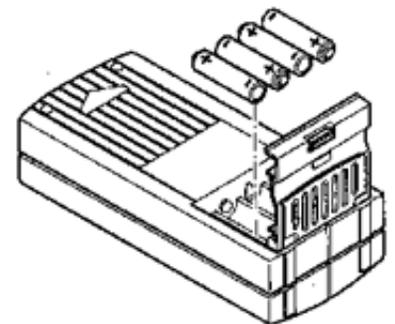


When low battery icon appears, you have a minimum of 100 measurements still possible. When symbol starts blinking, battery must be replaced.

Preparing for use

Open battery cover and insert four AA batteries (included) into battery compartment. Pay close attention to polarity and insert as shown on case markings. Turn on and off by pressing the power button (figure 6 in illustration).

Power turns off automatically after 5 minutes of non-use to conserve batteries.



Using the LaserVision® DM100/200

The measurement base is the battery end of the unit where the alignment angle bracket is placed. Note that the length of the tool is also in the resulting number.

LaserVision® DM100/200 should not be moved during measuring (except when using continuous mode). Point at target from a stable position and press the red measurement button (figure 2 in illustration). The measuring signal is emitted from small aperture at the base of the receiving lens. Keep hands from this lens to get accurate readings.

In modes that require several readings, an error made in any one reading you means must start from the beginning by pressing the function button again. You cannot correct a single reading while in calculation mode.

When working outdoors or in areas with strong light, you can use beam enhancement glasses to see the beam at farther distances to better align measurement to target. The measuring range depends on the ambient light and the reflective characteristics of the measured surface. For strong sunlight, use a laser target panel (available as an accessory). It has two sides, one more reflective for longer distances.

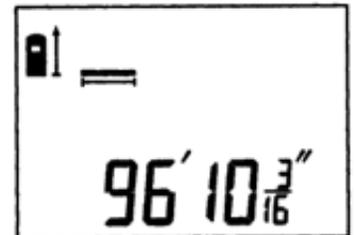
If you are working in dark or unlighted areas, you can illuminate the LCD by turning on the backlight (figure 10 in illustration).

Measuring Functions

Turn on the unit. The default mode is a length measurement. You can press the corresponding button to change to another mode. Press the "m/ft" button to change from metric to decimal inches or fraction inches as preferred.

Length

Place the battery end of unit at the desired endpoint to be measured. For table edges and similar objects, fold out the metal positioning bracket to help hold unit in place against the edge. Switch unit on and press red button lightly to shine beam without measurement. This allows you to place the beam exactly where you want the measurement. When located properly, depress button fully and measurement will be taken. It may take a second or two for measurement number to appear, depending on distance and light conditions. After measurement is taken, the beam will switch off. the measured distance will be shown on the screen. To change this value to another unit of measurement without losing the original reading, press the "m/ft" button.

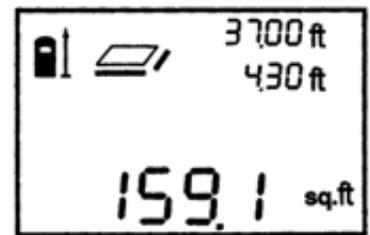


Area

Turn unit on and place the battery end of unit at the desired endpoint for the first measurement. Select the area function key (illustration 4). The display will flash the first distance indicator (length) to show you are taking the first reading. Press the measurement button for the first reading which

will be shown on screen as the upper of two numbers.

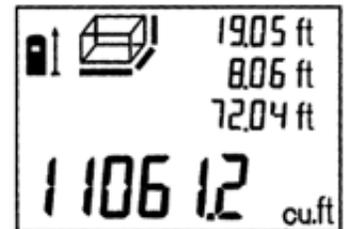
The second distance indicator will flash until you take the second reading. The second number will show below the first, and the computed area will show on the screen as the larger numbers on the lower right.



Volume

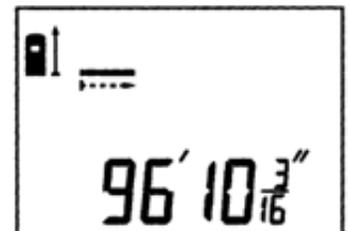
Turn unit on and place the battery end of unit at the desired endpoint for first measurement. Select the volume function key (illustration 5). The display will flash the first distance indicator (length) to show you are taking the first reading. Press the measurement button for the first reading, which will be shown on screen as the upper of three numbers.

Repeat two more times for distances as prompted by the flashing icon and the resulting computed volume will show on the screen as the large numbers on the lower right.



Continuous

Turn unit on. Select the continuous function key (illustration 8). Press the measurement button once and the number on the screen will change as you move the unit to the length you want. The laser will stay on for a continuous reading. You can press the button again to freeze the number in place; it will stay on screen until you take a new reading or turn off the power. The unit will switch off automatically after 10 minutes to conserve batteries.

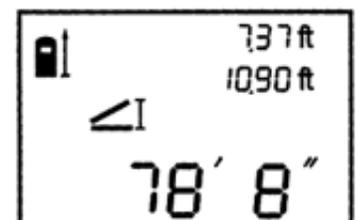


The continuous function is useful for locating a position at a given distance from a wall or other target. It allows you to read the changing number until the location is identified.

Indirect length

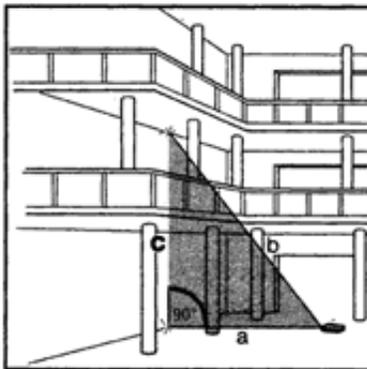
This measuring function allows user to roughly measure distances, such as height, when a direct measurement is impossible because of obstructions to the laser beam or the absence of a reflective target for the signal.

For the most accurate result, the first measurement taken must be at a 90° angle from (perpendicular to) the surface being measured. Turn unit on, select indirect button (illustration 7) and take measurement A. Raise laser end of unit until laser spot reaches exact target, keeping



base in same spot, and take measurement B. Using triangulation, the resulting number shown on screen will be the third length, measurement C.

Individual distances will be shown in the upper right corner of screen in the order taken.



Error messages

When the unit is unable to make a measurement, a line of dashes will appear on the screen. This will happen if unit is aimed at a surface that is not reflective and in lighting conditions outside the range of reflection.



Not getting measurements?

Possible cause:

Laser exit opening or receiving lens is dirty.

Laser is not at right angles to target.

Reflection of laser beam is not strong enough because of poor reflection from target surface.

Light is too strong for reading.

Reflection is too strong (such as a mirror).

Distance is greater than maximum range.

Temperature extremes place unit outside specified range.

Suggested correction:

Keep lenses clean and free of dirt.

Reposition and try again.

Use a light colored hard panel or a target panel accessory.

Use a light colored hard panel or a target panel accessory.

Cover target with a white paper.

Measure in two sections and add resulting numbers.

Warm or cool as appropriate.

CAUTION

LASER RADIATION
DO NOT STARE INTO BEAM

PEAK POWER 1 mW / WAVELENGTH 635 nm
CLASS II LASER

Warning: The LaserVision DM has been outfitted with a Class II laser. Avoid direct eye exposure at all times.

Wavelength: 635 nm

Power: Class II (<1 mW peak power)