

Ultrasonic Distance Measurer



PREPARATION

INSTALLING BATTERIES

Your measurer requires a 9V battery (not supplied) for power.

For the best performance and life, we recommend an alkaline battery.

Follow these steps to install a battery.

1. Slide the battery compartment cover in the direction of the arrow to remove it.
2. Snap the battery in the compartment. As indicated by the polarity symbols (+ and -) marked inside.
3. Replace the cover.
4. When Low Battery Icon appears or the measurer stops operating correctly, replace the battery.

Caution: If you do not plan to use the measurer for a month or more, remove the battery, Batteries can leak chemicals that can destroy electronic parts.

STABILIZING THE MEASURER

Your measurer is sensitive to changes in temperature and humidity.

Before you use the measurer, wait about 15~30 minutes for it to stabilize to the current room temperature.

OPERATION

TURNING THE MEASURER ON/OFF

To turn on the measurer, press **MEASURE**. This will light up the display screen for easy viewing even in a dimly lit area.

After power on, the unit displays current environmental temperature.

The measurer turns itself off if no key is pressed for about 30 seconds.

TAKING A MEASUREMENT

1. Press **MEASURE** to turn on the unit. The measurer beeps then the distance between the measurer and the point you measured appears.
2. Hold the bottom of measure flat against a wall, about halfway between the floor and ceiling. Be sure there is a clear path to the point you want to measure and that your head or hands do not block the front of the measurer.
3. Repeatedly press **FEET/METER** until **FEET** appears (to measure in feet) or until **METER** appears (to measure in metres)

Notes:

The measurement appears for about 30 seconds (or longer if you press another key)

ERROR might appear if you try to measure a distance shorter than the range of 2 feet (0.50m) or longer than 60 feet (18.288 metres)

Measuring Tips

Some types of curtains and blinds can absorb sound waves causing measurements to be inaccurate. If you are measuring distances in a room with curtains, open the curtains before measuring the distance to a window behind them. Also, be sure that the window is closed.

If there is not a clear path between the points where you are measuring you might receive a false reading from sound waves bouncing off objects such as chairs, tables and objects with uneven surfaces. If you are not sure if a measurement is correct, move slightly to one side then measure the distance again.

If the surface of a wall you are measuring is not solid and flat, or if you are measuring in a narrow corridor you might receive a false reading. If this happens, use a solid surface to measure or move to the centre of the corridor. To measure a distance longer than 60 feet (18.288 metres), select a point in the middle of the room, for example measure from the centre of the room towards each side. Then add the two measurements.

SAVING A MEASUREMENT

1. Follow the steps under “Taking a Measurement” to measure a dimension.
2. Press **STORE** then a memory key (M1, M2 or M3). M and the number of the memory location you choose (1, 2 or 3) appears and the measurer stores the reading in that memory location.
3. If necessary, repeat steps 1 and 2 to save up to three measurements.
4. To display a measurement stored in a memory location, press that memory key (M1, M2 or M3). The measurement stored in that memory location appears.
5. To delete a measurement stored in a memory location, simply store a new one in its place.
6. To clear all stored measurements, hold down **ALL MEMORY CLEAR** for about 3 seconds. The measurer beeps and M and the number of the memory location you chose (1, 2 or 3) disappears.

Note: AREA and VOLUME data cannot be saved.

CALCULATING VOLUME

To find the volume of a room.

1. Measure the height, width and the length of the room and store each measurement in a different memory location (see “Saving a Measurement”).
2. Press **VOLUME**. The calculated Volume will appear.

CALCULATING AREA

To find the area of any two stored measurements.

1. Measure the width and length of a room and store the measurements in M1 and M2 (see “Saving a Measurement”).
2. Press **AREA, M1 and M2**. The calculated Area will appear.

ADDING/SUBTRACTING STORED MEASUREMENTS

1. Measure any two dimensions of a room and store the measurements in memory locations 1 and 2 (see “Saving a Measurement”).
2. Press **ALL MEMORY CLEAR**.
3. Press M1, +, M2, then + to add the measurements, or M1, -, M2, then – to subtract them. The value of the calculation will appear.
4. To clear the display and do another measurement, press **ALL MEMORY CLEAR**.

USING LASER

To have a laser pointer, press **LASER**. The laser pointer disappears automatically after about five seconds

SPECIFICATIONS

Power: 1 x 9V

Unit of measurement: Feet or Metres

Accuracy: 0.5%+1 digit (2~60ft)

Working Frequency: 40kHz

Working Temperature: 32°F to 109.4°F (0°C to 43°C)

Range: 2 to 60 ft (0.50 to 18.288m)

Specifications are typical; individual units might vary.

Specifications are subject to change and improvement without notice.

Caution:

The laser emitted from the unit is visible laser of 650nm wavelength

Don't stare into the laser beam and also don't shoot laser beam to any other's eyes.

Class II laser product Output < 1 mw

Notes:

The product has passed EN60825-1