

INSTRUCTIONS

ULTRASONIC DISTANCE MEASURER MD10

Code IM 19 302



Measurement Range:

from 40 cm to 18 m (in still air)

Accuracy:

$\pm 0,5\%$ + 1 digit (in still air)

Resolution:

0,01 m

Calculation Range:

Area 324 m²

Volume 5832 m³

Battery:

9V (6F22) battery or equivalent

Operating Temperature:

0° to 50°C

Storage temperature:

-10° to 60°C

Size:

150 x 52 x 34 mm

Weight:

Approximately 123 gr (including battery)

READ

- Switch the instrument on
To do it, just press this button for more than 2 seconds
- Measure the distance
Press this button, the display will show the reading

SET

- Select measuring base
When you measure distance, the reading of distance is based on the measuring base wich you selected.
- One measuring base is on the instrument's top, another is on the bottom
Switch the unit off
Press the button for more than 2 seconds, the data on the display will flicker, then this instrument will power off

F/M

- Select the imperial unit or metric unit
- Delete the stored data

If you press this button for more than 2 seconds, the stored data will be deleted

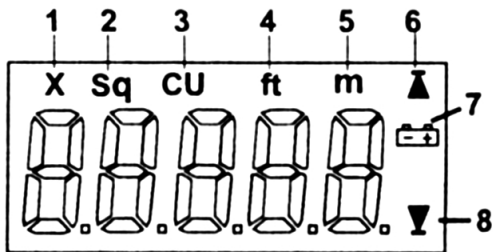
X/=

- Be used in calculating area or volume
 - Store the current reading of distance
- To store the current reading of distance, just press this button
- Display the stored data

Keep pressing this button, the last three stored data will be displayed respectively: the first datum is the latest datum you stored.

If you release this button, the display will return to primary state.

Note: When the unit is in volume state, the stored data will be deleted if you continue to measure distance and then store the distance's reading.



Symbol on the display

1. Multiply
2. Square (for area)
3. Cubic (for volume)
4. It indicates that area's unit as well as volume's unit is imperial
5. Meter
6. Adopt the upper measuring base
7. Low battery indication
8. Adopt the lower measuring base

1. Select imperial or metric unit
Press "F/M" key
2. Measure distance
Press "READ" key
3. Calculate area
 - a. Press F/M for more than 2 seconds to delete the stored data, the reading on the display equals zero
 - b. Press READ X/= ;READ x/=
4. Calculate volume
 - a. Press F/M for more than 2 seconds to delete the stored data, the reading on the display equals zero.
 - b. Press READ X/= ;READ X/= ;READ x/=

- 1. Any obstacle found within of the viewing angle of the instrument will be regarded as the target*
- 2. While measuring, point the unit vertically to the surface of the target to be measured*
- 3. It will affect the results of measuring if the reflected surface of the target is irregular or soft*
- 4. The result of measuring will be affected if there is another ultrasonic source in the vicinity*
- 5. Make sure the laser doesn't aim at people's eyes*

6. It will show the *ERROR* symbol in the following conditions:

- a. The distance is shorter than about 40 cm.
- b. The reflected ultrasonic pulses are not strong enough
- c. The area value exceeds 324 m^2
- d. The volume value exceeds 5832 m^3

7. The reading is based on the measuring base which you selected

8. When you turn on this unit, maybe there are data on the display. These data are the former data

11. Measuring Long Distance

You can divide it into two parts, then you can measure the each part, finally you can add them

12. Measuring Big Area

You can divided it into two parts, then you can measure the each part, finally you can add them

While the LCD panel displaying the low battery symbol, it shows that the power of battery is not enough. Please replace it with a new one of the same type.

When the equipment is not used within a long period, please remove the battery out of the equipment.

While cleaning, use a soft moist cloth. Never use any solvent.

If you at some point intended to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled.

Please do not discharge it in the garbage bin, but check with your local council for recycling facilities in your area.

