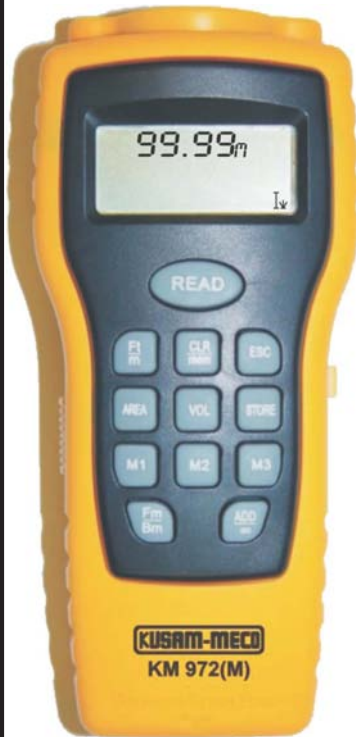


**KUSAM-MECO**<sup>®</sup>

An ISO 9001:2008 Company

# ULTRASONIC DISTANCE METER

## With Instant Dynamic Reading Feedback

**Model KM 972 (M)****FEATURES**

Measure Distance upto 15m  
Volume Calculation : upto 999.99m<sup>3</sup>  
Indoor Recommended use

Add Calculation upto 99.99m  
Torch / Flashlight  
Low Battery Indication

Area Calculation upto 999.99m<sup>2</sup>  
Laser Target pointer

**GENERAL SPECIFICATIONS :**

- |  |   |
|--|---|
| * <b>Measurement range</b> : 1'8" to 50' (0.5 - 15 meters) | * <b>Laser Class</b> : Class 2                      |
| * <b>Accuracy</b> : ± 0.3% ± 1 Digit (within 6m)           | * <b>Power Supply</b> : 9 Volts Alkaline Battery    |
| * <b>Resolutions</b> : 0.1" ( 0.01m)                       | * <b>Dimensions</b> : 136(L) x 61.5(W) x 44 (H)mm   |
| * <b>Laser Diode type</b> : Red Laser 630-670nm            | * <b>Weight</b> : 117g approx. (Excluding battery). |

**OPERATING TEMPERATURE**

**Operating Temperature:** 0°C to 39°C (32°F to 102.2°F) within still air and hard smooth target surface for accurate measurement.

**CALCULATION RANGE :**

(Calculation is made according to round up or down 2 digits after decimal points in each reading)

Length: 99'11" (99.99m)      Area: 999.99 sq.Ft. (999.99 m<sup>2</sup>)      Volume: 999.99 cu. Ft. (999.99 m<sup>3</sup>)

**SAFETY INTRUCTIONS :**

This unit emits a laser beam, which, projects a visible Red spot on the target.

Do not stare into laser beam or near your eyes or the eyes of others.

Use of controls or performance of procedures, other than those specified herein, or failure to follow warning may result in body injury

**Notes :**

- When measuring between 40' to 50'; / 12m to 15m, the relative humidity should be above 50% and target area at least 10ft. X 10ft. (3m x 3m)
- Inaccurate measurement may result from the following :
  - 1) When the battery runs out .
  - 2) When the measured distance is out of the specified range (1'8" to 50'/0.5 to 15m).
  - 3) Interference of another ultrasonic source when nearby.
  - 4) When the unit is not held straight and perpendicularly to the target
  - 5) Long narrow corridor
  - 6) Irregular objects near the target
  - 7) The reflected ultrasonic pulse from the target is narrow.
- An error message " Err " will be displayed on screen under following conditions :
  - 1) When the measured distance or calculation result exceed the specified range.
  - 2) When the unit is held wide angle to the target
  - 3) The target surface does not provide good reflection for ultrasonic pulse. (i.e. Soft & irregular surface such as thick carpet, curtain or irregular wall paper, walls, etc).
- This instrument should be used in minimum electrostatic environment.

**All Specifications are subject to change without prior notice**

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G-17, Bharat Industrial Estate, T. J. Road, Sewree (W), Mumbai - 400 015. INDIA.  
**Sales Direct.:** 022 -2 4156638, **Tel.:** 022-241224540, 24181649, **Fax:** 022 - 24149659  
**Email :** kusam\_meco@vsnl.net, **Website :** www.kusamelectrical.com