



3 510982 463382

## USER'S MANUAL

### CARE AND HANDLING:

- The unit is a precision instrument which must be handled with care.
- Avoid dust and water, use a soft cloth to clean the unit.
- Avoid shock, vibrations and extreme heat.
- Keep the unit clean and dry.
- Check battery regularly to avoid deterioration.
- Remove battery if to be stored for long time.

### Technical specifications:

Recommended use	: Indoor
Measurement range	: 0.5m to 12m
Accuracy	: $\pm 1\text{cm}$ (typical) plus $\pm 0.5\%$
Resolutions	: 0.1" (0.01m)
Power supply	: 9V block alkaline battery (Not included)
Dimensions	: 132 (L) x 56 (W) x 37 (H) mm
Weight	: 100g (approx.) (Excluding battery)
Operating temperature	: 10°C - 40°C (50°F - 104°F)
Memory store and recall	: 10 memories (0-9)
Accumulate add distance calculation (AADC)	: Upto 999999m (999999 ft.)
Calculation between memory to memory	: Add (+) or Subtract (-) only
Calculation	: 6 digits (+ / - / $\times$ / $\div$ ) with decimal point
Low battery	:  icon display
Auto power off	: 1 minute

**Note:** Add (+) or Subtract (-) between call memory (MR) should be in same unit i.e. (area with area, volume with volume etc.)

### Measurement range:

Length	: 0.5m to 12m (1'8" to 39'4") approx.
Area	: 0.25sq. m to 144sq. m (2.69sq. ft. to 1550sq. ft.) approx.
Volume	: 0.13cu. m to 1728cu. m (4.59cu. ft. to 61023.7cu. ft.) approx.

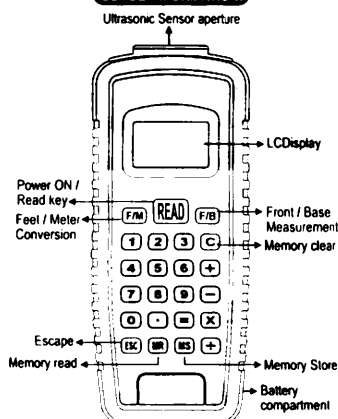
### Calculation range:

Length	: 999999m (999999 ft.)
Area	: 999999sq. m (999999sq. ft.)
Volume	: 999999cu. m (999999cu. ft.)

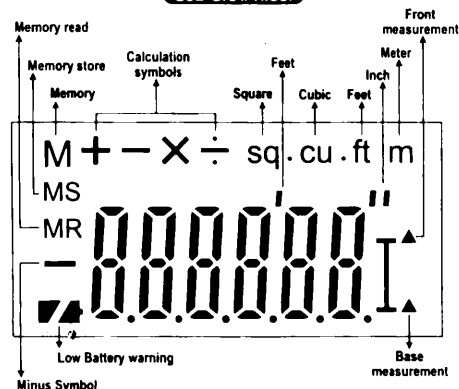
### Notes:

- When measuring between 40' 12m, the relative humidity should be above 50% and target area at least 10ft.x10ft. (3m x 3m)
- Inaccurate measurement may result from the following:
  - When the battery runs out.
  - When the measured distance is out of the specified range (1'8" to 40' 0.5 to 12m).
  - Interference of another ultrasonic source when nearby.
  - When the unit is not held straight and perpendicularly to the target.
  - Long narrow corridor.
  - Irregular objects near the target.
  - The reflected ultrasonic pulse from the target is narrow.
- An error message "Err" will be displayed on screen under following conditions:
  - When the measured distance or calculation result exceeded the specified range.
  - When the unit is held wide angle to the target.
  - The target surface does not provide good reflection for ultrasonic pulse. (i.e. soft and irregular surface such as thick carpet, curtain or irregular wall paper, walls etc.)
- This product would lose temporal memory and reset automatically under a strong electro-static environment.

### USAGE INFORMATION:



### LCD GRAPHICS:



51 098 V.00