

## Laser distance Measurer K1 Model No. 383

### NOTE

Keep this user manual for future reference.

### FEATURES

- Indoor measuring distance of up to 30m (100')
- LCD display
- Measures area and volume
- Indirect measuring using Pythagorean theorem
- 2 Measuring reference points
- Memory function
- Accuracy:  $\pm 2\text{mm}/30\text{m}$

### SAFETY INSTRUCTIONS

#### WARNING

This product is a class II laser.

#### Danger of laser radiation

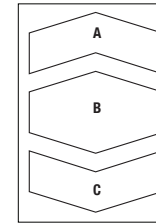
- The use of protective eyewear is recommended
- Serious eye injury can result from looking directly into the beam or by projecting the beam into the eyes of others.
- Do not operate the laser distance measurer near children or let children operate the laser measurer.
- Do not look into a laser beam using magnifying optical equipment, such as binoculars or telescope, as this will increase the level of eye injury.
- Do not take the unit apart.
- Do not use in wet or very humid environments.
- Do not use in combustible environments such as in the presence of flammable liquids, gases or dust.
- When not in use turn off the power and store in a dry place.

### BATTERY INSTALLATION

- The 383 Laser Distance Measurer is powered by 2 AAA batteries located at the back of the device. Open the cover and replace when necessary.
- Battery life status is indicated by an icon on the initial screen.
- The estimated battery life is up to 5000 measurements

### OVERVIEW

- A. ON switch and Measure button
- B. Menu selection button
- C. OFF and Clear button



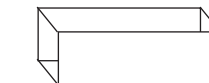
### OPERATION

The 383 has a simple keypad that allows you to select various measuring modes using the Menu Selection button. The current mode is indicated by the following:

	Indicates the reference point for taking measurements. Press and hold the Menu selection button to change the reference point.
	Laser pointer is activated
	Single distance measurement – The basic mode when switching-on the unit. Return to this mode by pushing the CLEAR button. For continuous measuring, press and hold the Measurement/Selector button for several seconds.
	Area Measurement
	Volume Measurement
	Single Indirect Measurement (Pythagorean Theorem)
	Double Indirect Measurement (Pythagorean Theorem)

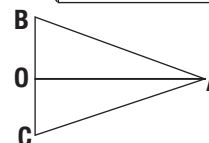
#### Measuring:

Once you have selected the measuring mode you need, point the laser at the target and press the Measure button. For Area, Volume and Indirect Measurements take the measurements according to the dimensions indicated by the flashing line.



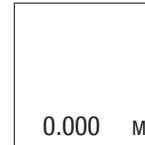
#### Area and Volume:

#### Indirect Measurements:



### Units of Measurement:

Select the Unit mode and then select from m, ft, in. ft+in. Then press the Clear button to exit the Unit mode



### SPECIFICATIONS

Measuring Range	0.5m - 30m
Resolution	0.001m
Accuracy	$\pm 2\text{mm}/30\text{m}$ (0.00492126)
Laser	Class II, 635 nm, <1mW
Battery	AAA batteries x2
Battery Life	Up to 5,000 measurements
Operating Temperature	-10°C (14°F) to 40°C (104°F)
Storage Temperature	-20°C (-4°F) to 60°C (140°F)
Laser Auto-off	20 seconds

### Maintenance

- Clean the aperture lens and the unit's body using a clean soft cloth only. Do not use solvents.
- If the unit is exposed to water, dry it before storing.
- Remove the battery if the unit will be unused for a long period of time.

### Error Codes

Code	Description	Solution
Err01	The reflected laser light is too bright	Direct the laser at a less reflective surface
Err02	Out of Range	Make a measurement within the 30m (100') range
Err03	The target is not reflecting the laser	Point the laser at a more reflective target
Err04	Low battery	Insert a new battery