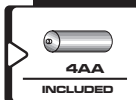
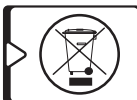
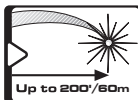




Prolaser® 3D All-Lines Model No. 883

User Manual



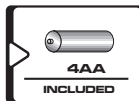
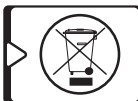
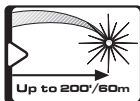


Thank you for purchasing Kapro's 883 Prolaser® 3D All- Lines. You are now the owner of one of our Innovative range of state-of-the-art tools. These tools incorporate new laser technology, enabling the professional user and the serious D.I.Y. enthusiast to quickly achieve accurate results.

APPLICATIONS

The 883 Prolaser® 3D All-Lines is designed for indoor and outdoor use (with detector), including the following applications:

- Hanging cabinets and shelves
- Setting floor and wall tiles
- Hanging acoustic ceilings
- Framing and aligning windows and doors
- Leveling electrical outlets, plumbing and studs
- Accurately laying out right angles for flooring, drywall installation and deck construction
- Leveling slopes (manual mode)



NOTE

Keep this user manual for future reference.

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FEATURES

- One 360° horizontal plane and two 360° vertical planes
- Self-leveling up to 4°
- Range:
 - Indoor – 65" (20m)
 - Outdoor with detector - 200" (60m)
- Laser lock mode for marking angles
- Tripod-ready 1/4" and 5/8" thread
- Accuracy: $\pm 0.2\text{mm/m}$

Standard Accessories

- 883 Prolaser® 3D All-Lines Laser Unit
- 4 AA batteries
- Magnetic adapter
- Case
- User Manual

SAFETY INSTRUCTIONS

WARNING

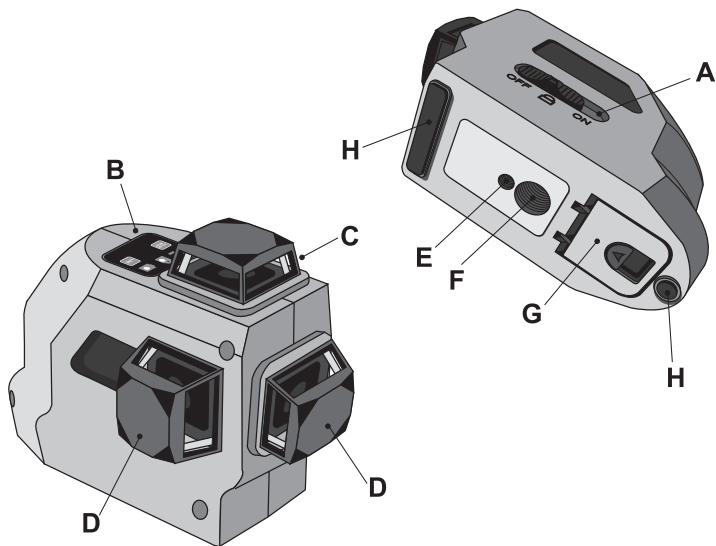
The 883 Prolaser® 3D All-Lines is a Class II Laser. It is manufactured to comply with IEC international rules of safety. Read this user guide thoroughly before using your Prolaser® 3D Laser. Always operate the laser level according to the procedures and warnings in this manual.

- 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 near children.
- Do not use in combustible environments such as in the presence of flammable liquids, gases or dust.



OVERVIEW

- A. Beam Activation Switch
- B. Keypad
- C. Horizontal laser projector
- D. Vertical laser projectors
- E. 1/4" tripod thread
- F. 5/8" tripod thread
- G. Battery case
- H. Non-slip grips



BATTERY INSTALLATION

- The 883 Prolaser® 3D All-Lines is powered by 4 AA batteries.
- If the icon is flashing, the battery is low
- The battery case is located on the bottom of the laser unit next to the tripod threads
- Insert the batteries according to the positive/ negative markings on the inside of the battery cover.



OPERATING INSTRUCTIONS

Safety Lock

When the 883 Prolaser® 3D All-Lines is not in use and/or being transported you should always make sure the unit's pendulum is locked by switching the lock on the side of the unit to OFF (figure 1).

Figure 1



Figure 2



Manual Mode

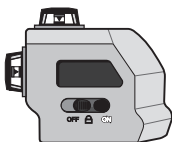
To disable the laser's self-leveling feature and use the laser in manual mode set the unit's switch to lock (figure 2). When the unit is set to LOCK the red LED will be on and the laser lines will flash once every few seconds.

Self-Leveling Mode

To enable the laser's self-leveling feature switch to ON (figure 3).

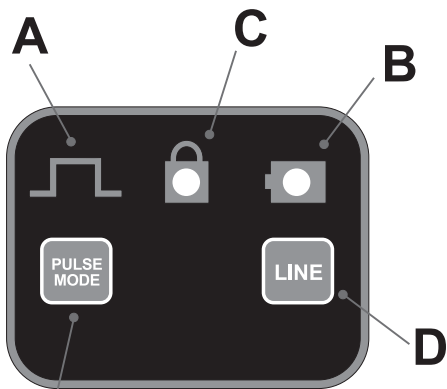
The laser will automatically correct its level position when the base is within 4° of level.

Figure 3



Keypad Indicators

- A. Pulse Indicator - The laser line is able to be picked up by detector after this function is activated.
- B. Low Power
- C. Manual/Lock
- D. Beam Selector



*Pulse Mode
(for use with detector)*

Beam Activation

The laser beams are projected by pressing the Beam Selector according to the following sequence:

Beam Selection	Beam Projected
Turn on Laser	Horizontal beam
Press 1x	Forward vertical beam
Press 2x	Side-to-side vertical laser
Press 3x	Forward and side-to-side vertical beams
Press 4x	All beams projected = 2 vertical & 1 horizontal

ALARMS

Out of Level Alarm

When the pendulum is unlocked and the Laser Unit is within 4° of level, the laser will level automatically. If the base of the laser is set on an incline greater than 4° the laser beams will flash and an audible warning alarm is sounded.

Low Battery Alarm

The battery LED will be on and continue to flash when the working voltage is 3V. The batteries need to be replaced.



CARE & MAINTENANCE

To keep the laser unit working properly, please follow these guidelines:

- Store in a clean dry place, between -20°C (-4°F) to 60°C (140°F).
- Before moving or transporting the unit, ensure that it is turned off/locked.
- If the Laser Level is wet, dry off with a dry cloth. Do not seal the laser in the carrying case until completely dry.
- Do not attempt to dry the Laser Level with fire or with an electric dryer.
- Do not drop the Laser Level, avoid rough treatment, and avoid constant vibration.
- Do not use solvents to clean the laser measurer.
- Periodically check the calibration of the Laser Level.
- Clean with a soft cloth, slightly dampened with a soap and water solution. Do not use harsh chemicals, cleaning solvents or strong detergents.
- Keep the laser aperture clean by wiping it gently with a soft lint-free cloth.
- Remove batteries from the Laser Level during lengthy periods of non-use, and store in carrying case.

- Ensure that the Laser Level is turned off before removing batteries.

Repairs

- See the Warranty section at the end of this manual.
- Do not take the Prolaser® 883 All-Lines apart or permit any unqualified person to take the laser level apart. Unauthorized servicing may cause bodily injury, irreparably damage the Laser Level, and invalidate the warranty.



FIELD CALIBRATION TEST

The Laser Level leaves the factory fully calibrated. Kapro recommends that the level is checked regularly, and after the unit has been dropped or mishandled.

Horizontal Line Calibration Test

1. Set up the Laser Level on a flat, vibration-free surface or tripod as near as possible to a long wall.
2. Unlock the safety lock by setting the switch to ON.
3. Press the Beam Selector button on the keypad to generate a horizontal beam on the wall.
4. Make two marks through the laser line on the wall, one very close to the Laser Level and one as far away as possible.
5. Lock the safety lock, reposition the Laser Level (at the same height) as near as possible to the far mark on the wall. Repeat steps 2 and 3.
6. Measure the height difference between the laser line and the two marks previously made on the wall.
7. If the two measurements are identical, then the laser level is calibrated.

Vertical Line Calibration Test

To test the accuracy of the vertical beams:

1. Hang a plumb line from a high point on a wall.
2. Set up the Laser Level on a flat, vibration-free surface or tripod about 3' (1m) from the wall.
3. Unlock the safety lock by setting the switch to ON.
4. Press the Beam Selector button on the keypad to generate a vertical beam.
5. Position the Laser Level so that the vertical laser line touches the base of the plumb line.
6. If the laser line is also aligned to the top of the plumb line, then the laser level is calibrated.



SPECIFICATIONS

Product	883 Prolaser® 3D All-Lines
Laser beam output pattern	1 360° horizontal beam 2 360° vertical cross beams
Accuracy	±0.2mm/m
Measuring Range	Indoor – 65" (20m) Outdoor with detector - 200" (60m)
Self-Leveling Accuracy	±4°
Laser	Class II, 635 nm, <1mW
Unit Weight (without batteries)	.725kg (1.6lbs)
Battery	AA batteries x4
Battery Life	Up to 5 hours with all beams projected
Dimensions	162mm x 79mm x 127mm
Operating Temperature	-10°C (14°F) to 50°C (122°F)
Storage Temperature	-20°C (-4°F) to 60°C (140°F)
Beam size	5mm@30m

WARRANTY

This product is covered by a two-year limited warranty against defects in materials and workmanship. It does not cover products that are used improperly, altered, or repaired. Please register this warranty at www.kapro.com

In the event of a problem with the laser product you have purchased, please return the product to the place of purchase with proof of purchase.

Model no. 883 Serial number sticker is positioned on battery cover.





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