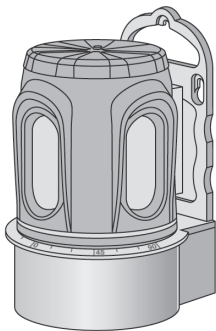


DRAPER®

INSTRUCTIONS FOR 3 Beam Self-Leveling Laser

Stock No.64547 Part No.D888A

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



CE

DRAPER®

GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself. All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product. Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

3 BEAM SELF-LEVELING LASER

Stock no. 64547

Part no. D888A

1.2 REVISIONS:

Date first published January 2015

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

DRAPER TOOLS LIMITED

HURSLEY ROAD

CHANDLER'S FORD

EASTLEIGH

HAMPSHIRE

SO53 1YF

UK

WEBSITE: www.drapertools.com

PRODUCT HELPLINE: +44 (0) 23 8049 4344

GENERAL FAX: +44 (0) 23 8026 0784

1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! Information that draws attention to the risk of injury or death.

CAUTION! Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

Copyright © Draper Tools Limited.

Permission is granted to reproduce this publication for personal & educational use only.

Commercial copying, redistribution, hiring or lending is prohibited.

No part of this publication may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases this copyright notice must remain intact.

2. CONTENTS

2.1 CONTENTS

Page content Page

1	TITLE PAGE	
	1.1 INTRODUCTION	2
	1.2 REVISION HISTORY	2
	1.3 UNDERSTANDING THIS MANUAL	2
	1.4 COPYRIGHT NOTICE	2
2	CONTENTS	
	2.1 CONTENTS	3
3	GUARANTEE	
	3.1 GUARANTEE	4
4	INTRODUCTION	
	4.1 SCOPE	4
	4.2 SPECIFICATION	4
5	HEALTH & SAFETY INFORMATION	
	5.1 HEALTH & SAFETY INFORMATION	4
6	TECHNICAL DESCRIPTION	
	6.1 IDENTIFICATION	5
7	UNPACKING & CHECKING	
	7.1 PACKAGING	5
	7.2 WHAT'S IN THE BOX	5
8	PREPARING THE LEVEL	
	8.1 BATTERY INSTALLATION	5
9	OPERATING INSTRUCTIONS	
	9.1 OPERATING INSTRUCTIONS	5
10	FIELD CALIBRATION TEST	
	10.1 FIELD CALIBRATION TEST	5
11	MAINTENANCE	
	11.1 MAINTENANCE	5
12	EXPLANATION OF SYMBOLS	
	12.1 EXPLANATION OF SYMBOLS	5
13	DISPOSAL	
	13.1 DISPOSAL	5
	DECLARATION OF CONFORMITY	ENCLOSED

3. GUARANTEE

3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that a fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. The guarantee period covering parts/labour is 12 months from the date of purchase. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agents.

Note: If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights. Draper Tools Limited.

Note: This tool is intended for domestic use only.

4. INTRODUCTION

4.1 SCOPE

This machine is designed for use in most areas of construction:

- Laying flooring.

- Hanging doors and windows.
- Installing acoustic ceilings.
- Installing partitions and drywall.
- Levelling slopes with manual mode.
- Electrical and plumbing layout.

4.2 SPECIFICATION

Stock no.	64547
Part no.	D888A
Laser classification	Class 2
Horizontal beam accuracy	±3mm/10m (±3/25 at 30')
Vertical beam accuracy	±3mm/10m (±3/25 at 30')
Self-leveling range	±3.5°
Recommended working range	30m (100') *50M with detector
Laser source	635nm
Horizontal beam spread	120°
Storage temp.	10°C to 55°C (14°F to 131°F)
Laser power supply	4.5V (3 x AA)
Battery life	8 hours of continuous use
Dimensions (LxWxH)	80mm x 140mm (3.2" x 5.5")
Weight, including batteries	860g

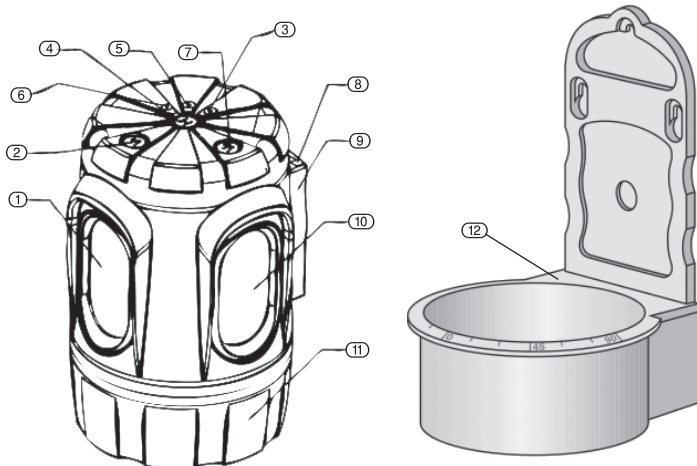
5. HEALTH & SAFETY INFORMATION

5.1 HEALTH & SAFETY INFORMATION

- Laser radiation. Do NOT stare into beam. Class 2 laser product.
- Viewing the laser output with certain optical instruments (for example, eye loupes, magnifiers and microscopes) with a distance of 100mm may pose an eye hazard.
- Viewing the laser output with certain optical instruments designed for use at a distance (for example, telescopes and binoculars) may pose an eye hazard.
- CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Do NOT direct the beam towards a person's eyes.
- Avoid positioning the laser such that it may lead to unintentional eye exposure to any potential passing pedestrians/traffic.
- Do NOT direct the beam towards animals.
- Do NOT use in the vicinity of children.
- Do NOT direct the beam onto reflective surfaces.
- Always switch off when not in use and do not leave unattended. Remove the batteries before storing the laser level away.
- Store the level in a dry location, out of the reach of children.
- Care must be taken to ensure that the laser level is not dropped, knocked or damaged during use or storage.
- This laser level product has no serviceable parts. Do not attempt to disassemble or repair.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



- | | |
|-------------------------------|---------------------------------|
| ① Front vertical beam window. | ⑦ Vertical beams indicator. |
| ② Manual/Pulse mode button. | ⑧ Battery compartment cover. |
| ③ Manual mode indicator. | ⑨ Battery compartment. |
| ④ Horizontal beam button. | ⑩ Side beam window. |
| ⑤ Battery status indicator. | ⑪ Self leveling mechanism lock. |
| ⑥ Pulse mode indicator. | ⑫ Tripod adaptor/wall mount. |

7. UNPACKING & CHECKING

7.1 PACKAGING

Carefully remove the Self-Leveling Laser from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the Title page) and do not attempt to use the Self-Leveling Laser.

The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly, according to local regulations.

7.2 WHAT'S IN THE BOX

As well as the Self-Leveling Laser; there are several parts not fitted or attached to it.

- 1x Tripod adaptor/Wall mount.
- 1x Laser enhancement goggles.
- 1x Carry case.

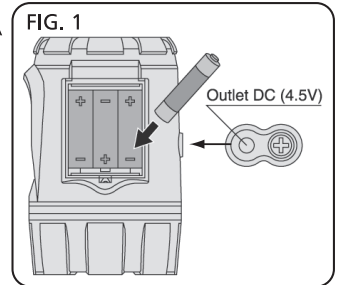
8. PREPARING THE LEVEL

8.1 BATTERY INSTALLATION - FIG. 1

The Self-Leveling Laser operates using three AA batteries (included) or a DC 4.5V transformer (not included).

Slide off the battery compartment cover.

Insert 3 new AA batteries of the same brand (regular or good quality rechargeable), according to the diagram inside the battery compartment.



For prolonged use connect to the accessory mains adapter 69959.

9. OPERATING INSTRUCTIONS

9.1 OPERATING INSTRUCTIONS

In order to get the most out of your Self-Leveling Laser follow these instructions.

Note: Avoid setting up the unit near heavy

machinery or sources of vibration that may adversely affect the leveling of the unit.

- Place the unit on a firm, dry surface, or in the tripod adaptor/wall mount.

10. FIELD CALIBRATION TEST

10.1 FIELD CALIBRATION TEST

The Self-Leveling Laser leaves the factory fully calibrated. We recommend checking the level regularly, especially if the unit has been dropped or mishandled.

Horizontal Line Calibration Test

- Set up the unit on a level surface (or in the tripod adaptor/wall mount on a tripod) next to an unobstructed 30m (100') wall.
- Level the unit as accurately as possible.
- Turn on the unit, mark the position of the beam next to the laser, and mark the position of the beam at a point at a distance of approximately 30m (100').
- Move the unit next to the point that you marked at a distance of 30m (100').
- Level the unit as accurately as possible.
- Turn on the unit, mark the position of the beam next to the laser, and mark the position of the beam next to the original point.
- Measure the height difference between both sets of points. Ideally, the two measurements should be identical; however, under field

conditions a difference of up to 6mm (0.25") is acceptable.

Vertical Plane Calibration Test

- Set up the Self-Leveling Laser about 20m (60') from the corner of a building, or any stable and vertical object with an easily identifiable edge.
- Level the unit as accurately as possible. Position the laser so that the V1 axis is pointing in the direction of the object chosen.
- Press the V1 button.
- Rotate the laser beam so that the beam touches the edge.
- Verify that the laser beam touches the edge in all places.
- Repeat the procedure for the V2 axis.
- If any of the laser beams seem to be inaccurate, repeat the test with a different corner of a building.
- If the result recurs, follow the instructions given in the warranty section at the end of this manual.

11. MAINTENANCE

11.1 MAINTENANCE

- Clean the Self-Leveling Laser with a soft cloth, slightly dampened with a solution of soap and water. Do not use harsh chemicals, cleaning solvents, or strong detergents.
- Keep the aperture of the unit clean by wiping it clean with a lintfree cloth moistened with isopropyl (rubbing) alcohol.
- Always store in a clean, dry place.

- If the unit gets wet, dry off with a dry cloth. Do not place or store the unit in the carrying pouch until completely dry.
- Do not dry the unit next to an open fire or with an electric dryer.
- Store between 10°C - 55°C (14°F - 131°F).
- Do not drop the unit, avoid rough handling, and avoid constant vibration.
- Periodically check the calibration of the unit.

12. EXPLANATION OF SYMBOLS

12.1 EXPLANATION



Laser radiation.
Do not stare into beam
Class 2 laser product



Warning!
Read the instruction manual



WEEE
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish

13. DISPOSAL

13.1 DISPOSAL

- At the end of the products working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area. In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- Do not dispose of WEEE* as unsorted municipal waste.

* Waste Electrical & Electronic Equipment.

- **DRAPER TOOLS LIMITED,**
Hursley Road, Chandler's Ford,
Eastleigh, Hampshire. SO53 1YF. U.K.
- **Helpline:** (023) 8049 4344
- **Sales Desk:** (023) 8049 4333
- **Website:** www.drapertools.com
- **E-mail:** sales@drapertools.com
- **Sales Fax:** (023) 8049 4209
- **General Enquiries:** (023) 8026 6355
- **Service/Warranty Repair Agent**
For aftersales servicing or warranty repairs, please contact the Draper Tools Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST