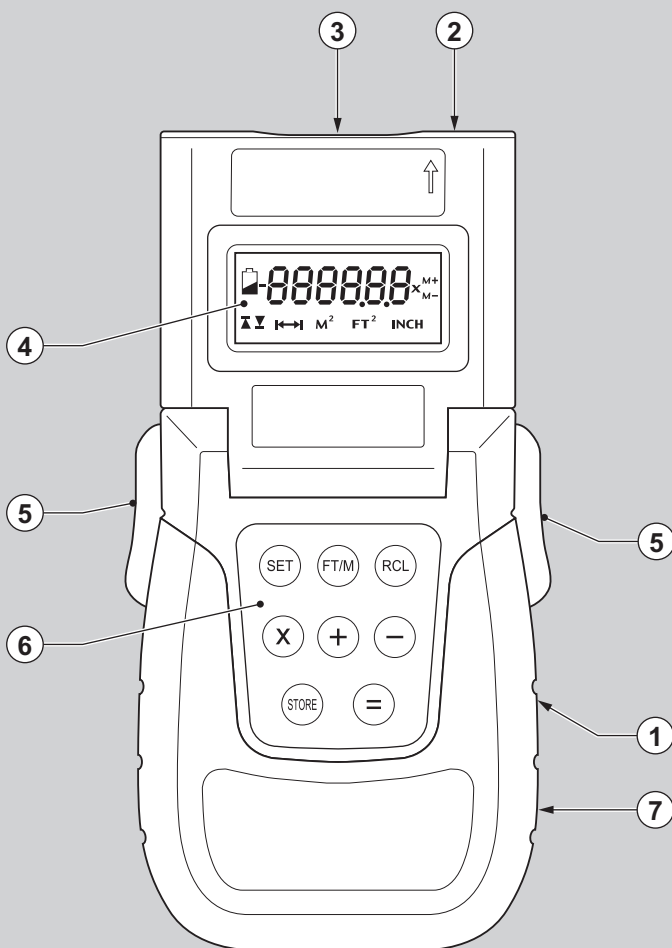


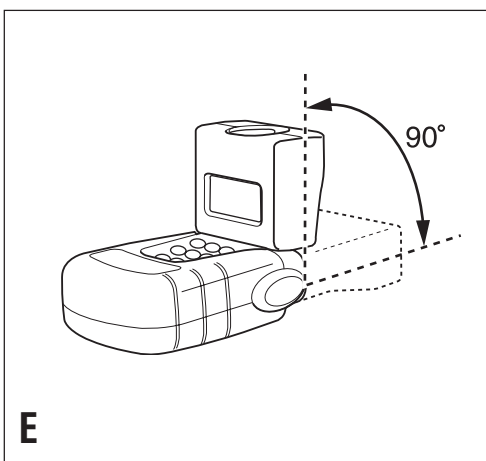
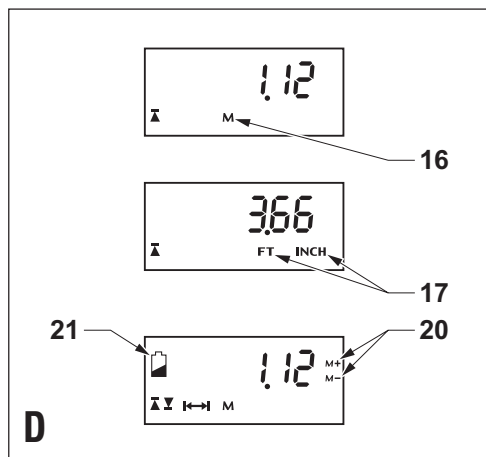
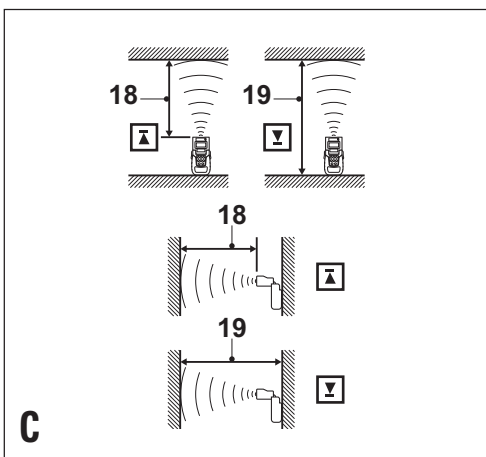
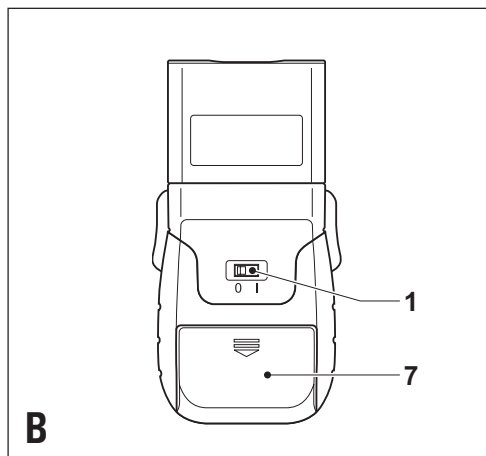
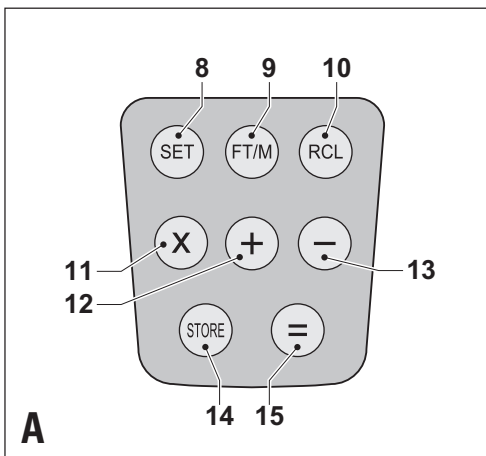


UK

Ireland

Australia

New Zealand



Intended use

Your Black & Decker distance and space measurer has been designed for measuring distances, surface areas and volumes. This tool is intended for indoor use only. This tool is intended for consumer use only.

Safety instructions

- ◆ **Warning!** When using battery-powered tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, leaking batteries, personal injury and material damage.
- ◆ Read all of this manual carefully before operating the tool.
- ◆ Retain this manual for future reference.

Keep work area clean

Cluttered areas and benches can cause accidents.

Consider work area environment

Do not expose the tool to rain. Do not use the tool in damp or wet conditions. Keep the work area well lit. Do not use the tool where there is a risk of causing fire or explosion, e.g. in the presence of flammable liquids and gases.

Keep children away

Do not allow children, visitors or animals to come near the work area or to touch the tool.

Do not overreach

Keep proper footing and balance at all times.

Stay alert

Watch what you are doing. Use common sense. Do not operate the tool when you are tired.

Use appropriate tool

The intended use is described in this instruction manual.

Warning! The use of any accessory or attachment or performance of any operation with this tool other than those recommended in this instruction manual may present a risk of personal injury.

Check for damaged parts

Before use, carefully check the tool for damage. Ensure that the tool will operate properly and perform its intended function. Do not use the tool if any part is damaged or defective.

Store idle tools

When not in use, tools and batteries should be stored in a dry, locked up or high place, out of reach of children.

Repairs

This tool complies with relevant safety requirements.

Repairs should only be carried out by qualified persons using original spare parts; otherwise this may result in considerable danger to the user.

Additional safety instructions for non-rechargeable batteries

- ◆ Never attempt to open for any reason.

- ◆ Do not store in locations where the temperature may exceed 40 °C.
- ◆ When disposing of batteries, follow the instructions given in the section "Protecting the environment". Do not incinerate the batteries.
- ◆ Under extreme conditions, battery leakage may occur. When you notice liquid on the batteries, proceed as follows:
 - Carefully wipe the liquid off using a cloth. Avoid skin contact.

Additional safety instructions for lasers



Read all of this manual carefully.



This product is not to be used by children under 16.



Warning! Laser radiation.



Do not look into the laser beam.



Refer to the laser product characteristics.

- ◆ This laser complies with class 1 according to EN 60825-1:1 2001+A11. Do not replace a laser diode with a different type. If damaged, have the laser repaired by an authorised repair agent.
- ◆ Do not use the laser for any purpose other than identifying surfaces for measurement
- ◆ An exposure of the eye to the beam of a class 1 laser is considered safe for a maximum of 0.25 seconds. Eyelid reflexes will normally provide adequate protection.
- ◆ Never look into the laser beam directly and intentionally.
- ◆ Do not use optical tools to view the laser beam.
- ◆ Do not set up the tool at a position where the laser beam can cross any person at head height.
- ◆ Do not let children come near the laser.
- ◆ **Warning!** This tool is intended for indoor use only. Do not use the tool for outdoor applications.

Overview

1. On/off switch
2. Laser aperture
3. Sonic aperture
4. LCD screen
5. Read button
6. Key pad
7. Battery cover

Fig. A

8. Set key
9. Measurement system key
10. Memory recall key
11. Multiply key
12. Add key
13. Subtract key
14. Store key
15. Sum key

Assembly

Fitting the battery (fig. B)

- ◆ Remove the battery cover (7) from the tool.
- ◆ Connect the battery to the connector. The larger battery terminal connects to the smaller connector terminal.
- ◆ Refit the cover and let it click into place.

Use

Setting the tool (fig. A, C & E)

The tool can show the results measured from either the front (18) or the back (19).

- ◆ To switch from one measurement method to the other, press key (8).

Setting the measuring head (fig. E)

- ◆ Turn the measuring head. Do not set the head at intermediate angles, as this will lead to inaccurate results.

Selecting the measurement system (fig. A & D)

The appliance can show the results both in the metrical (16) and the imperial system (17).

- ◆ To switch from one measurement system to the other, press key (9).

Memory function (fig. A & D)

The use of the memory function (20) is indicated on the display.

- ◆ Press key (14) to store the value on the display in the memory. The value remains stored as long as the appliance is switched on.
- ◆ Press key (14) again to clear the memory.

Switching on and off (fig. B)

- ◆ To switch the tool on, slide the on/off switch (1) to position I.
- ◆ To switch the tool off, slide the on/off switch to position 0.

Measuring (fig. A)

- ◆ Hold the tool at the required position with the measuring head aimed at the opposite surface.
- ◆ Press key (5). The result appears on the display (4).

Note:

- During a measurement the laser dot helps identifying the opposite surface.
- After 15 seconds of inactivity the LCD screen will go blank. The last measurement data will not be retrieved unless it has been stored in the memory.

Measuring distances (fig. A)

- ◆ Measure the first distance
- ◆ Press key (12).
- ◆ Measure the following distance.
- ◆ Repeat the previous instruction as many times as required for the remaining distances.
- ◆ Press key (15). The result appears on the display (4).

Measuring areas (fig. A)

- ◆ Measure the length.
- ◆ Press key (11).
- ◆ Measure the width.
- ◆ Press key (15). The result appears on the display (4) in square units.

Measuring volumes (fig. A)

- ◆ Measure the length.
- ◆ Press key (11).
- ◆ Measure the width.
- ◆ Press key (11).
- ◆ Measure the height.
- ◆ Press key (15). The result appears on the display (4) in cubic units.

Hints for optimum use

- ◆ Use the tool only in an open space, without obstacles in the measuring path.
- ◆ During a measurement avoid moving the tool until the distance is displayed.
- ◆ To ensure a correct reading, repeat the measurement until you get at least 2 of the same readings within 3 attempts.
- ◆ For successful measuring results, consider the following conditions:
 - The measured object surface must be flat and hard.
 - Distance measuring through glass is not possible.
 - When the distance is out of the work range, the tool will beep and register an error.

Low battery indicator (fig. D)

The LCD screen will display a low battery symbol (21) when the battery is nearly empty.

- ◆ Replace the battery on time.

Cleaning and maintenance

Your Black & Decker tool has been designed to operate over a long period of time with a minimum of maintenance. Regularly clean the housing using a damp cloth. Do not use any abrasive or solvent-based cleaner.

Storage

When not in use, tools and batteries should be stored in a dry, locked up or high place, out of reach of children.

Protecting the environment

Tools



Should you find one day that your tool needs replacement, or if it is of no further use to you, think of the protection of the environment. Black & Decker repair agents will accept old Black & Decker tools and ensure that they are disposed of in an environmentally safe way.

Battery



If you want to dispose of the tool yourself, the battery must be removed as described above and disposed of in accordance with local regulations.

- ◆ Place the battery in a suitable packaging to ensure that the terminals cannot be short-circuited. Take the batteries to a local recycling station.

Technical data

		BDM100
Voltage	V	9
Working distance	m	0.61 - 12
Accuracy (at 3 m) relatively		+/- 0.5%
no. of digits		+/- 1
Environmental temperature	°C	5 - 40
Wave length	nm	630-675
Laser class		1
Laser power	mW	< 1
Weight	kg	0.18

EC declaration of conformity

BDM100

Black & Decker declares that these products conform to:
89/336/EEC, EN 60825, EN 61000

A handwritten signature in black ink.

Kevin Hewitt
Director of Consumer Engineering
Spennymoor, County Durham DL16 6JG,
United Kingdom
1-9-2004

Guarantee

Black & Decker is confident of the quality of its products and offers an outstanding guarantee. This guarantee statement is in addition to and in no way prejudices your statutory rights. The guarantee is valid within the territories of the Member States of the European Union and the European Free Trade Area.

If a Black & Decker product becomes defective due to faulty materials, workmanship or lack of conformity, within 24 months from the date of purchase, Black & Decker guarantees to replace defective parts, repair products subjected to fair wear and tear or replace such products to ensure minimum inconvenience to the customer unless:

- ◆ The product has been used for trade, professional or hire purposes;
- ◆ The product has been subjected to misuse or neglect;
- ◆ The product has sustained damage through foreign objects, substances or accidents;
- ◆ Repairs have been attempted by persons other than authorised repair agents or Black & Decker service staff.

To claim on the guarantee, you will need to submit proof of purchase to the seller or an authorised repair agent. You can check the location of your nearest authorised repair agent by contacting your local Black & Decker office at the address indicated in this manual. Alternatively, a list of authorised Black & Decker repair agents and full details of our after-sales service and contacts are available on the Internet at:

www.2helpU.com

Please visit our website **www.blackanddecker.co.uk** to register your new Black & Decker product and to be kept up to date on new products and special offers. Further information on the Black & Decker brand and our range of products is available at **www.blackanddecker.co.uk**

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