

DEWALT®



Instruction Manual
Guide D'utilisation
Manual de instrucciones
Manual de Instruções

DWHT77200

Laser Distance Measurer

Télémètre laser

Medidor de distancia láser

Medidor de distância a laser



WWW.DEWALT.com

If you have questions or comments, contact us.

Pour toute question ou tout commentaire, nous contacter.

Si tiene dudas o comentarios, contáctenos.

Caso tenha dúvidas ou comentários, entre em contato conosco.

1-800-4-DEWALT

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Components

- 1 Tripod socket
- 2 Battery compartment
- 3 LDM screen
- 4 Laser measure button
- 5 Up/Add function button
- 6 Left/Back (exit) function button
- 7 Down/Subtract function button
- 8 Power button
- 9 Laser beam
- 10 Label location
- 11 Side measuring button
- 12 Function menu/Confirm button
- 13 Right/Accept button
- 14 Settings menu button
- 15 Wrist strap hole

Composants

- 1 Prise de trépied
- 2 Compartiment du bloc-piles
- 3 Écran LDM
- 4 Bouton de mesure laser
- 5 Bouton de fonction Haut/Ajouter
- 6 Bouton de fonction Gauche/Retour (quitter)
- 7 Bouton de fonction Bas/Soustraire
- 8 Bouton d'alimentation
- 9 Faisceau laser
- 10 Emplacement de l'étiquette
- 11 Bouton de mesure latérale
- 12 Menu Fonction/bouton Confirmer
- 13 Bouton Droite/Accepter
- 14 Bouton Menu des réglages
- 15 Trou pour dragonne

Componentes

- 1 Conector para trípode
- 2 Compartimiento de batería
- 3 Pantalla LDM
- 4 Botón de medición láser
- 5 Botón de función Arriba/
Agregar
- 6 Botón de función Izquierda/
Atrás (salir)
- 7 Botón de función Abajo/
Restar
- 8 Botón de energía
- 9 Rayo láser
- 10 Ubicación de etiqueta
- 11 Botón de medición lateral
- 12 Botón Menú de funciones/
Confirmar
- 13 Botón Derecha/Aceptar
- 14 Botón Menú de ajustes
- 15 Orificio para correa de muñeca

Componentes

- 1 Soquete do tripé
- 2 Compartimento da bateria
- 3 Tela LDM
- 4 Botão de medição a laser
- 5 Botão de função Para cima/
Adicionar
- 6 Botão de função Para
esquerda/Voltar (sair)
- 7 Botão de função Para baixo/
Remover
- 8 Botão liga/desliga
- 9 Feixe a laser
- 10 Local da etiqueta
- 11 Botão de medição lateral
- 12 Botão de Confirmação/menu
Função
- 13 Botão Para direita/Aceitar
- 14 Botão do menu
Configurações
- 15 Orifício para faixa de pulso

Fig. A

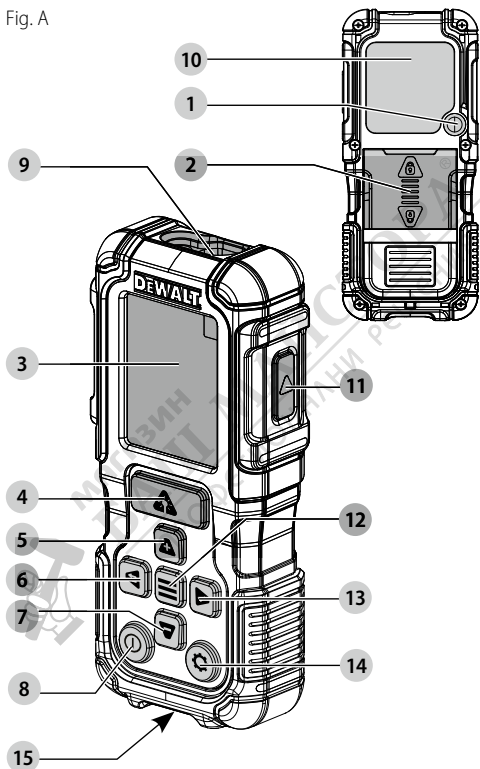


Fig. B

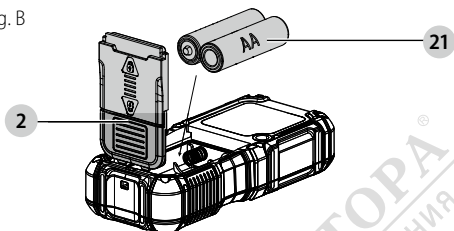


Fig. C

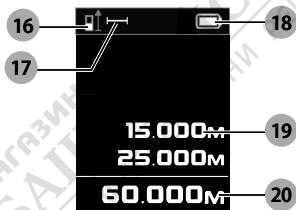


Fig. D

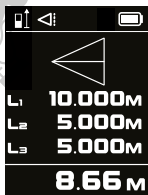


Fig. E

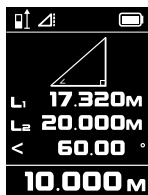


Fig. F

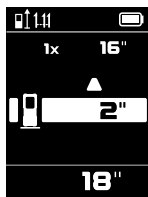


Fig. G1



Fig. G2



Fig. G3



⚠ WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



⚠ WARNING: To reduce the risk of injury, read the instruction manual.

RETAIN ALL SECTIONS OF THIS MANUAL FOR FUTURE REFERENCE.

User Safety

⚠ WARNING: Carefully read the **Safety Instructions and Product Manual** before using this product. The person responsible for the product must ensure that all users understand and adhere to these instructions.

⚠ WARNING: The following label information is placed on your laser tool to inform you of the laser class for your convenience and safety (Fig. A).

The label on your laser may include the following symbols.

Symbol	Meaning
V	Volts
mW	Milliwatts
	Laser Warning
nm	Wavelength in nanometers
2	Class 2 Laser

Warning Labels (Fig. A)

For your convenience and safety, the following labels are on your laser.



WARNING: To reduce the risk of injury, user must read instruction manual.



LASER
2



WARNING: LASER RADIATION. DO NOT STARE INTO BEAM. Class 2 Laser Product.



The DWHT77200 tool emits a visible laser beam. The laser beam emitted is Laser Class 2 and complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1, Ed. 3, as described in Laser Notice 56, dated May 8, 2019.



Intertek
5031104

- Conforms to UL STD 61010-1

- Certified to CSA STD C22.2 No. 61010-1-12

⚠ WARNING: While the laser tool is in operation, be careful not to expose your eyes to the emitting laser beam (red light source). Exposure to a laser beam for an extended time period may be hazardous to your eyes. Do not look into the beam with optical aids.

- **If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.**

- **Do not operate the laser in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** This laser may create sparks which may ignite the dust or fumes.
- **Store an idle laser out of reach of children and other untrained persons.** Lasers are dangerous in the hands of untrained users.
- **Tool service MUST be performed by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in injury. To locate your nearest DEWALT service center go to **www.DEWALT.com**.
- **Do not use optical tools such as a telescope or transit to view the laser beam.** Serious eye injury could result.
- **Do not place the laser in a position which may cause anyone to intentionally or unintentionally stare into the laser beam.** Serious eye injury could result.
- **Do not position the laser near a reflective surface which may reflect the laser beam toward anyone's eyes.** Serious eye injury could result.
- **Turn the laser off when it is not in use.** Leaving the laser on increases the risk of staring into the laser beam.
- **Do not modify the laser in any way.** Modifying the laser may result in hazardous laser radiation exposure.
- **Do not operate the laser around children or allow children to operate the laser.** Serious eye injury may result.
- **Do not remove or deface warning labels.** If labels are removed, the user or others may inadvertently expose themselves to radiation.

▲ CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ENGLISH

The laser distance measurer is a professional tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier: DWHT77200

Responsible Party – U.S. Contact Information

DEWALT

701 East Joppa Road

Towson, Maryland 21286

www.DEWALT.com

FCC Statement

These devices comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canada, Industry Canada (IC) Notices

Class B digital circuitry of this device complies with Canadian ICES-003. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

⚠ WARNING: *This product was tested in a laboratory environment to meet IP54 per IEC 60529 and does not reflect accumulated effects of exposure. Do not expose to rain or moisture. Never submerge the product in liquid.*

Replacing the Batteries (Fig. A–C)

1. Locate the battery compartment **2** latch on the back of the LDM.
2. Using your finger, pull the latch down to unlock and remove the battery door.
3. Insert two AA batteries **21**, making sure to position the - and + ends of each battery as noted inside the battery compartment.
4. Slide the pins at the bottom of the battery door into the notches in the battery compartment.
5. Push the battery door up until it snaps in place.

When the LDM is ON, the battery level **18** appears on the LDM screen **3**.

Button Functions (Fig. A)

Laser measure button 4/Side measuring button 11: Takes measurement. Activates laser in continuous mode. If in a menu screen, exits the menu directly to last used measure mode.

Up/add function button 5: Up navigates menu lists when in function or settings menus. Add toggles function when in measure modes (distance, area, volume wall area).

Down/subtract function button 7: Down navigates menu lists when in function or settings menus. Subtract toggles function when in measure modes (distance, area, volume wall area).

Left/back (exit) function button 6: Exit from menus. Cancel selection. In area/volume/wall area is measurement "undo".

Right/accept (confirm) function 13: Navigates deeper into menus. Confirms menu selections.

Function menu/confirm button 12: From measure screens: Opens function menu. From menu screens: Accept/confirm current selection.

Power button 8: Turns the unit on.

Settings menu button 14: Enter setting menu from ANY screen.

Available Functions (Fig. C–F)

DWHT77200		
Continuous measure	➔	Constantly displays the current distance measured by the laser. Pressing the measure button will save a single distance measurement and give "min" and "max".

Distance measure (Fig. C)		The laser will save a single distance measurement and also records successive measurements.
Indirect height measure (Fig. D)		The laser will take the legs of a triangle to calculate the height. The middle leg must be horizontal and level.
Indirect height/ length measure (Fig. E)		The laser will take the hypotenuse of a right angle triangle and one leg to calculate the resulting leg.
Area measure		The laser will use two perpendicular measurements to calculate a flat area.
Wall area measure		The laser will use a constant height to add a sum of subsequent wall areas.
Volume measure		The laser will use three perpendicular measurements to calculate a cubic volume.
Stakeout		The laser will take a set measurement and display where to mark stakes along the stake out line. Useful for consistently repeating a set interval along a defined reference.

Indirect Height Measure Mode (Fig. D)

1. Measure the horizontal distance to the vertical side of the desired triangle (L1) (L1 must be horizontal and level).
2. Measure the distance to top edge of triangle (L2).
3. Measure the distance to the bottom edge of the triangle (L3).
4. The LDM uses L1, L2, and L3 to calculate the length of the vertical side of triangle.

Indirect Height/Length Measure Mode (Fig. E)

1. Measure the horizontal distance of the desired triangle.

2. Measure the distance to the top edge of the triangle.
3. The LDM calculates the height of remaining side of the triangle based on distance measured and angle calculation.

Stakeout Mode (Fig. F)

1. Set the desired stake distance interval.
2. Set the LDM along desired line to set equally spaced stakes.
3. Move the LDM along the stake out line.
4. The LDM indicates to user when the device is at each set distance increment for stake placement.

Turning On the Tool (Fig. A)

Hold power button **8** to turn on product.

Setting Device Measurement Reference Point (Fig. A, C, G1–G3)

NOTE: For greatest accuracy, always be aware of reference point being used **16** and how you place unit for measurement.

The tool measurement reference point can be changed to front/back/tripod. Press the settings menu button **14** and select "Ref. Point" from the list.

Using the Tool (Fig. A, C, G1–G3)

1. Use the function menu button **12** to select the desired function. The current measuring mode **17** will be displayed on the LDM screen.
2. Point the laser **9** at the top of the tool toward the wall whose distance you need to measure.
3. Click the laser measure button **4** or the side measuring button **11** to display a laser dot on the wall.
4. When the front (Fig. G1), back (Fig. G2), or middle (tripod mounted) (Fig. G3) of the tool is positioned at the correct

distance from the wall, click measuring button to take the measurement.

NOTE: To change the reference point (front, back, or middle), refer to **Setting Device Measurement Reference Point**. The measuring reference point **16** is shown on the LDM screen **3** (Fig. C).

5. View the measurement **20** on the LDM screen **3**.

Re-measuring (Distance Mode)

1. When you need to take a new measurement, point the laser toward the wall whose distance you need to measure.

2. Click the measuring button **4** or the side measuring button **11**.

3. The previous measurement **19** will be displayed as well as the new dimension.

4. When the front (Fig. G1), back (Fig. G2), or middle (tripod mounted) (Fig. G3) of the tool is positioned at the correct distance from the wall, click the measuring button to take the measurement.

NOTE: To change the reference point (front, back, or middle), refer to **Setting Device Measurement Reference Point**. The measuring reference point **16** is shown on the LDM screen **3** (Fig. C).

Turning Off the Tool (Fig. A)

Hold power button **8** to turn off product.

Accessories (Fig. A)

The LDM is equipped with 1/4"-20 threads **1** on the back of the unit to accommodate current or future DEWALT accessories, such as a tripod.

A wrist strap hole **15** is available on the bottom of the unit.