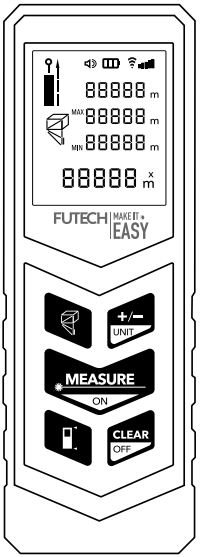
USER MANUAL

DM3540 DISTANCE METER - 40M
DM3560 DISTANCE METER - 60M



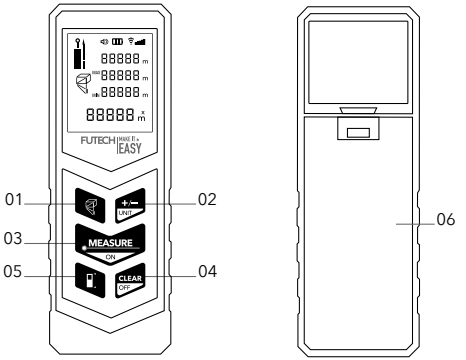
EN ENGLISH

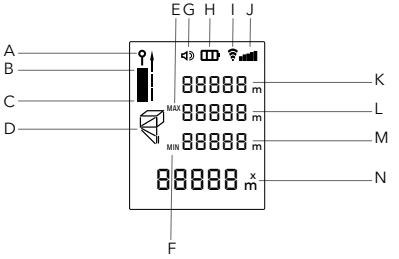
Manual in your language?

Check the back cover

FUTECH MAKE IT EASY

OVERVIEW





■ KEYPAD

01 Function button
02 Add/subtract button / Unit button
03 Measure / Power ON button
04 Clear / Power OFF button
05 Reference button
06 Battery cover

■ SCREEN

A Laser ON/OFF
B Reference point at front of device
C Reference point at back of device
D Function indicator
E MAX indicator (continuous measurement)
F MIN indicator (continuous measurement)
G Volume indicator
H Battery indicator
I Emission signal strength
J Signal strength indicator
K Third display line
L Second display line
M First display line
N Main display line

SAFETY

Please read the safety instructions is provided in the separate booklet provided with the device before using.

The improper use of this product may result in dangerous injuries of laser radiation, electric shock and personal injuries.

Do not try to change the performance of the laser device in any way, as it may result in danger caused by laser exposure. The laser can only be opened for use.

LASER RADIATION - Class 2 laser product.
Do not stare into beam.

Please store device in a safe location to prevent the use by unauthorized personnel.

BATTERY

The device can be powered using the two AAA 1,5V alkaline batteries that are included.

■ INSTALLING THE BATTERY

- Open the battery cover [06].
- Insert two alkaline AAA batteries of 1,5 Volt (ensure to align the correct polarity).
- Close the battery cover [06].

NOTE

When the battery level is low, the battery indicator [H] flashes 5 times. Replace the batteries as described above.

FIRST TIME USAGE

Remove all protection foils.

USE

- Turn on the device: press the Measure/Power ON button [03].

The laser will be activated and the device is ready to use.

- Turn off the device: hold the Clear/Power OFF button [04].

NOTE

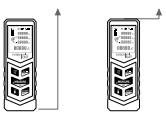
The device will automatically shut down when no operations are preformed within 45 seconds.

■ SELECT REFERENCE POINT

The standard reference point is set at the back of the device [C], thus including it's length in the measurement. You can change the reference point by pressing the reference button [05].

- Press the reference button [05] once to change the reference point to the front of the device [B]. The device length is now excluded from your measurements.
- Press the reference button [05] again to change the reference point back to the back of the device [C].

You can check your reference point using the indicators [B] and [C]



■ CHANGE UNITS

This device can show the measured distances in different units. The available units are meten (m), inch (in), feet (ft), inch + feet (in+ft).

· Change the distance units by holding the Add/subtract button / Unit button [02] until your desired unit is selected.

■ SINGLE MEASUREMENT

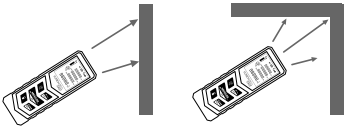
· Once the device is on, press the measure button [03] once to take a single measurement.

The result will be shown on the main display line [N]. The laser will turn off after the measurement. Press the measure button [03] again to turn the laser back on and make the device ready for a new measurement.

Taking subsequent measurements will always push the previous measurement up one display line. Main display line [N] → first display line [M] → second display line [L] → third display line [K]. A maximum of the last four measurements will be displayed.

■ CONTINUOUS MEASUREMENT (MIN/MAX)

With continuous measurement, measurements are taken continuously from activation of the function until the function is deactivated. This allows you to know the minimum and maximum distance measured during these measurements. For example, to know the exact distance to the furthest corner point.



· Once the device is on, activate continuous measurement by holding the Measure button [3] until the fucntion starts.

A repeating beep will be heard. With each beep, a new measurement is taken. The last measured result, which update continuously, is shown in the Main display line [N]. The minimum distance measured during this session is shown in the First display line [M], the maximum distance measured in the Second display line [L].

· Stop the continuous measurement by pressing the measure button [3].

The last measured result is shown in the Main display line [N]. The minimum distance measured during this session is shown in the First display line [M], the maximum distance measured in the Second display line [L].

■ ADD/SUBTRACT

This function allows you to add or subtract two single measurement

· Take a first measurement by pressing the measure button [03].

· Press the Add/Subtract [02] button 1x to add the next measurement, 2x to subtract the next measurement.

The measured value moves to the second display line [L]. A "+" or "−" is shown in front of the first display line [N]. The device is ready to make the second measurement.

· Make a second measurement by pressing the measure button [03].

The result of the second measurement will be visible in the first display line [N]. The result (the addition or subtraction of the two measurements) can be read in the main display line [M].

· Add or subtract (depends on which you've choose for the first calculation) an additional measurement can be done by press the measure button [03] to activate the laser again, and press it a second time to make the measurement.

The result of the first calculation moves to the second display line [L], the result of the second measurement is shown on the first display line [M]. The new result of the calculation will be visible on the main display line [N].

NOTE

To change from "+" to "−" (or vica versa) for making the second measurement can be done by pressing the add/subtract button [02]. The result of the first calculation moves to the second display line [L], the symbol in front of the first display line [M] changes from "+" to "−" (or vica versa). This action also activates the laser and makes the device ready to measure the additional distance. You can make the new measurement by pressing the measure button [03].

You can repeat this steps just as much as needed.

■ AREA MEASUREMENT

This device allows you to calculate the area of a (rectangular) area.

· Press the function button [01] once.

The function indicator [D] will show you the area measurement symbol. The flashing line in this function indicator [D] shows which lenght you have to measure.

· Measure the first side of the rectangle, indicated by the function indicator [D], by pressing the measure button [03].

The length of the first measured side is shown on the third display line [K].

· Measure the second side of the rectangle, indicated by the function indicator [D], by pressing the measure button [03].

The length of the second measured side is shown on the second display line [L]. The result of the calculation, the area, can be read in the main display line [N].

NOTE

Keep the device as levelled as possible for the most accurate measurements.

■ VOLUME MEASUREMENT

This device allows you to calculate the volume.

· Press the function button [01] twice.

The function indicator [D] will show you the volume measurement symbol. The flashing line in this function indicator [D] shows which length you have to measure.

· Measure the first side, indicated by the function indicator [D], by pressing the measure button [03].

The length of the first measured side is shown on the third display line [K].

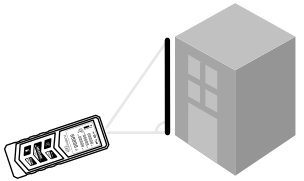
· Measure the second side, indicated by the function indicator [D], by pressing the measure button [03].

The length of the second measured side appears on the second display line [L].

· Measure the third side (height), indicated by the function indicator [D], by pressing the measure button [03].

The length of the third measured side (height) is shown on the first display line [L]. The result of the calculation, the volume, can be read in the main display line [N].

■ INDIRECT MEASUREMENT (PYTHAGORAS)



Indirect measurement mode allows you to calculate the distance between two measured points as long as the second measurement is made using a proper 90° angle (shortest distance).

· Press the function button [01] three times

The function indicator [D] will show you the indirect measurement symbol. The flashing line in this function indicator [D] shows which length you have to measure.

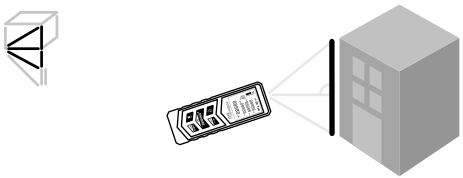
· Measure the first side, indicated by the function indicator (this is also the longest side of the sides to measure) by pressing the measure button [03].

The length of the first measured side is shown on the third display line [K].

· Measure the second side indicated by the function indicator [D], by pressing the measure button [03]. Keep in mind that this side needs to be the shotest side of the sides to measure AND this second measurement should be made at a 90° angle to the point to be measured.

The length of the second measured side is shown on the second display line [K]. The result of the calculation, the distance between the first and the second measured point, can be read in the main display line [N].

■ ADDITIVE PYTHAGOREAN MEASUREMENT



Additive pythagorean measurement, or Double pythagorean measurement mode, allows you to calculate the height by adding the calculated sides of the two measured triangles.

· Press the function button [01] four times

The function indicator [D] will show you the additive pythagorean measurement symbol. The flashing line in this function indicator [D] shows which length you have to measure.

· Measure the first side, indicated by the function indicator by pressing the measure button [03].

The length of the first measured side is shown on the third display line [K].

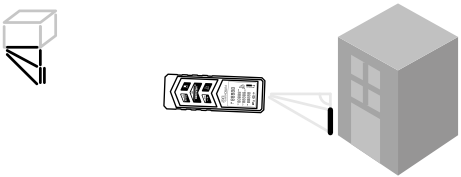
· Measure the second side indicated by the function indicator [D], by pressing the measure button [03]. Keep in mind that this side needs to be the shotest side of the sides to measure AND it should be made at a 90° angle to the point to be measured. This second points needs to be between the first and third measured point.

The length of the second measured side is shown on the second display line [K].

· Measure the third side indicated by the function indicator [D], by pressing the measure button [03].

The length of the third measured side is shown on the first display line [M]. The result of the calculation, the distance between the first and the third measured point, can be read in the main display line [N].

■ SUBTRACTIVE PYTHAGOREAN MEASUREMENT



Substractive pythagorean measurement, or reverse double pythagorean measurement mode allows you to calculate the distance between two measured points by subtracting the calculated sides of the two measured triangles.

· Press the function button [01] five times

The function indicator [D] will show you the substractive pythagorean measurement symbol. The flashing line in this function

indicator [D] shows which length you have to measure.

- Measure the first side, indicated by the function indicator by pressing the measure button [03] (the longest hypotenuse).

The length of the first measured side is shown on the third display line [K].

- Measure the second side indicated by the function indicator [D], by pressing the measure button [03] (the shortest hypotenuse). This second points needs to be between the first and third measured point.

The length of the second measured side is shown on the second display line [K].

- Measure the third side indicated by the function indicator [D], by pressing the measure button [03]. Keep in mind that this side needs to be the shotest side of the sides to measure AND this second measurement should be made at a 90° angle to the point to be measured.

The length of the third measured side is shown on the first display line [M]. The result of the calculation, the distance between the first and the second measured point, can be read in the main display line [N].

■ CLEAR DATA

Use the Clear button [04] to clear or delete previously saved data and measurements.

TECHNICAL SPECIFICATIONS

MODEL	DM3540	DM3560
Accuracy	+/- 3mm	
Range	40m	60m
Measurement units	m / in / ft / in + ft	
Continuous measurement	Yes	
Min/Max	Yes	
Surface	Yes	
Volume	Yes	
Pythagoras	Yes (x3)	
Add	Yes	
Subtract	Yes	
Automatic shutdown	Yes	
Battery	2x 1.5V AAA	
Operation temperature	0°C ~ +40°C	
Laser	Class 2, 630-640 nm, Red	

CE

DECLARATION OF CONFORMITY

Futech (Belgium) declares under its own responsibility that this device:

- DM3540 Distance Meter
- DM3560 Distance Meter

is in conformity with the standards

EN 61326-1:2013

IEC 60825-1:2014

Lier, Belgium,
March 30, 2023
Patrick Waûters

USER MANUAL
other languages:

DA DANSK

DE DEUTSCH

ES ESPAÑOL

ET EESTI KEEL

FI SUOMEN KIELI

FR FRANÇAIS

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IT ITALIANO

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