

Laser Distance Meter

DP20 Series Quick Start

Product Overview

Thank for you for purchasing Mileseeey Laser distance meter. Please read the user manual carefully before operation.

The DP20 series is an exquisite bilateral laser distance measurer whose exterior redefines the concept of design—the cleverly designed buttons render an appearance as simple as a ruler. With built-in upgraded and patented distance-measuring technology that enable more accurate data of measurement, it meets various measurement needs of people engaged in house renovation, house decoration, interior design, exhibition design, outdoor advertising design, crafting, home soft furnishing and more.

Made of aviation aluminum alloy, the DP20 series is characterized by its elegance, smoothness, and durability. The user-favored multiple buttons with logical layout enables quick and easy operation. HD back-lit OLED display illuminates numbers and signs with a distinct resolution. The digital angle sensor allows real-time reading of the measurement angle and easy horizontal alignment. Thanks to the built-in large capacity 1000mAh rechargeable Li-ion battery, DP20 series is a more eco-friendly device with a long using life span.

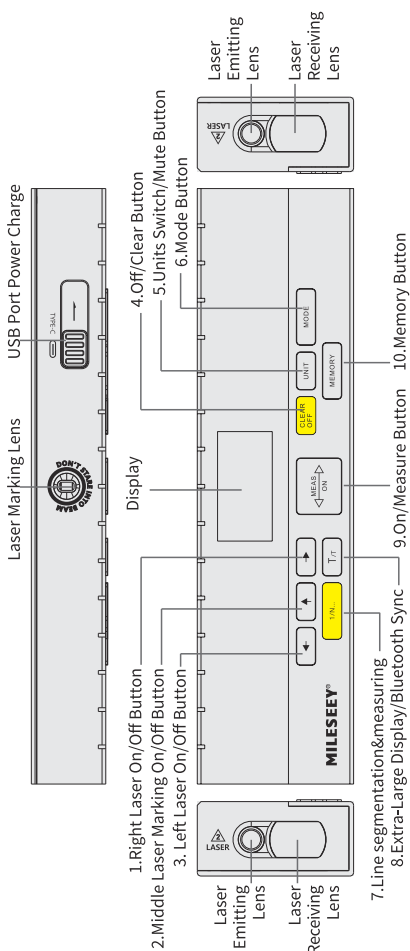
DP20 series carries an expansive collection of functions - real-time angle display, single measurement, continuous measurement, area measurement, volume measurement, auto level distance calculation, auto height finding. The DP20 Pro supports both unilateral and bilateral measurements, and the bilateral measurement overcomes restrictions of irregular spatial structures, enabling exceptionally efficient and precise distance calculation under complex spatial conditions. The smallest unit that the device is capable of measuring is 0.001m and the longest measurement range is up to 120m (394ft) in the two-way mode of measuring. The DP20 series affords an outstanding measuring experience with the best quality and performance!



Safety instructions

In order to use this product safely, please read The following instructions carefully.

Product Appearance



1.Right Laser On/Off Button

Long press to turn on/off the right side laser.
Short press to page down to historical data.

2. Middle Laser Marking On/Off Button

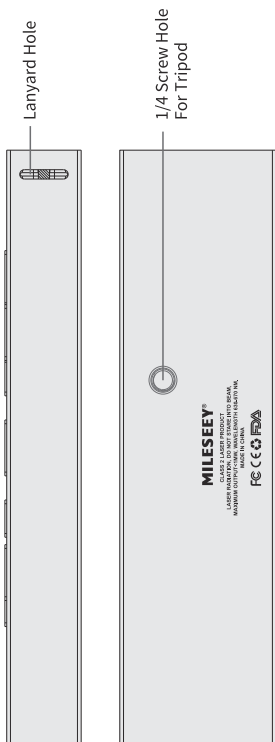
Long press to turn on/off the laser marking

3. Left Laser On/Off Button

Long press to turn on/off the left side laser.
Short press to page up historical data.

4. Off/Clear Button

Long press to turn off the device.
Short press to clear the previous operation or return



5. Units Switch/Mute Button

Short press to switch units (m/ft/in/°)

Long press to turn on/off beep tone

6. Mode Button

Short press to switch between measurement functions-single measurement, area measurement, volume measurement, auto level distance measuring, and auto height finding.

7. Line segmentation&measuring

Short press to enter segmentation mode.

In segmentation mode, short press to set segmenting value from 1/2 to 1/16.

8. Extra-Large Display

Short press to switch to extra-large display

Long press to turn on/off Bluetooth (Only available on DP20pro Version)

9. On/Measure Button

In off state, long press to turn on

Short press to measure

In on state, long press to enter continuous measurement

10. Memory Button

Short press to save the data

Long press to enter history data saved

Technical Specification

Model	DP20	DP20 Pro
Range(M)	0.25~80m	0.25~120m
Accuracy(MM)	$\pm (2.0\text{mm}+5\times 10^{-5}\text{D})$	
One way Available Range:(m)	0.25~40m	0.25~60m
Two-way Measure	√	
One-way Measure	√	
Segmentation (1/N Length)	√	
Middle Laser Mark Beam	√	
Bluetooth	×	√
Single Measurement	√	
Continuous Measurement	√	
Area	√	
Volume	√	
Auto level distance finding	√	
Auto height finding	√	
Angle sensor	√	
Extra-large Display Mode	√	
Screen Display	OLED	
Memory	20sets	
Reference	Two-way measurement-Middle Laser Mark Beam	
	One-way measurement- Rear	
Units	m/ft/in/ft+in	
Auto Power Switch-off	After 180s of inactivity	
Laser Class	Class 2	
Laser Type	630-670nm, <1mW	
Battery Type	1000mAh rechargeable Li-ion battery	
Operating Temperature	0°C~+40°C (32°F~+104°F)	
Dimension(mm)	160*42*20.5mm	
Weight (g)	150g	

1. Range

Range data are referenced to the rear of the measurer. The Maximum range shall be different according to different modes.Please refers to the package for actual range.

2. Accuracy :

If measuring under favorable conditions, such as smooth surface, proper temperature and indoor lighting, the device is able to work within certain range as indicated.

If measuring under unfavorable conditions, such as strong light, uneven surface and improper temperature, Possible measurement error might be produced.

Tips: In case of poor sunlight and bad reflection of the object, please use the target plate or reflector.

Operation Instructions

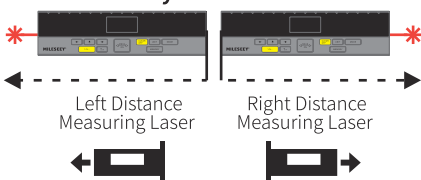
Measurement reference

When Initially turned on, the device default into the single measurement mode in both directions; long press (←) to turn off the left laser and long press (→) to turn off the right laser.

For bilateral lasers, with the marker laser as the reference.



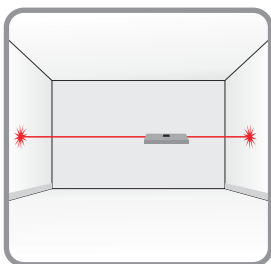
Automatic switch to rear reference in case of one-way measurement.







Note: After rebooting, the reference setting in last booting remains saved.

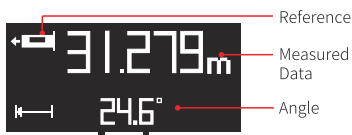
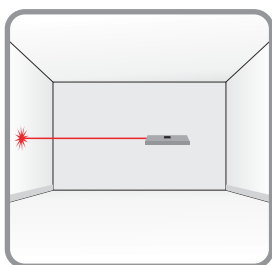
Two-way Measurement

Press the (MODE) button to enter Two-way single measurement mode (←|→). Press the measure button (←^{MEAS}_{ON}→) after aiming at targets to get distances. The left side length, right side length, and total length are displayed on the screen.





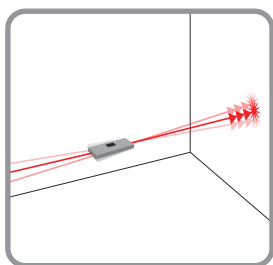
One-way Measurement

In the mode of two-way single measure () , long press () button to turn off the left side distance measuring laser, or long press () button to turn off the right side distance measuring laser, which switches two-way to one way mode. Press measure button () after aiming at target to get distance.







Continuous Measurement

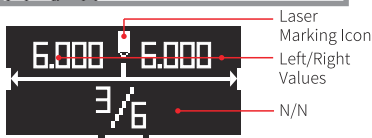
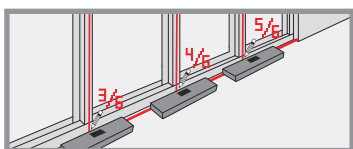
Long press () button to enter continuous measurement. The device begins to continuously measure. Press () button to stop the continuous measurement; then the screen displays the current maximum and minimum values.







Line segmentation&measuring


Long press (1/N...) button to enter line segmentation&measuring mode (); short press button (1/N...) or () buttons to set the stake out value from 1/2 to 1/16.

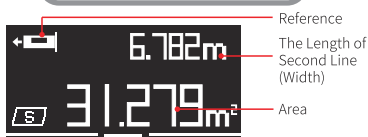
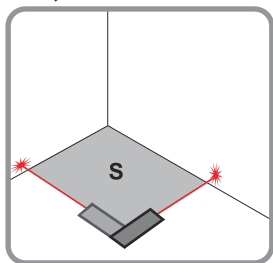
The measured values are moving to the left or right with the indicated arrows. When moving to the target position, the N/N segment appears at the bottom middle of the screen, this indicates an approach to the target position. When () flashes and ticks at the top centre of the screen, this indicates that the target position has been reached. Press the () button to lock the current position.




Area Measurement

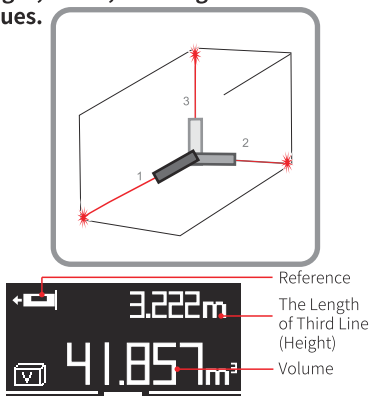
Press the (MODE) button to select Area Measurement Mode (); then press the () to confirm. According to the flashing line prompt, press () button to get the distance of the first line (Length), and press the () again to get the distance of the second line (Width); then the area value is displayed on the screen.

Note: Press () to cycle through the length, width, and the circumference values.




Press the (MODE) button to select Volume Measurement Mode (); then press the ($\leftarrow \frac{\text{MEAS}}{\text{ON}} \rightarrow$) to confirm. According to the flashing line prompt, press ($\leftarrow \frac{\text{MEAS}}{\text{ON}} \rightarrow$) button to get the distance of the first line (Length), and press the ($\leftarrow \frac{\text{MEAS}}{\text{ON}} \rightarrow$) to get the distance of the second line (Width), then press ($\leftarrow \frac{\text{MEAS}}{\text{ON}} \rightarrow$) the again to get the distance of third line (Height); then the volume value is displayed on the screen.

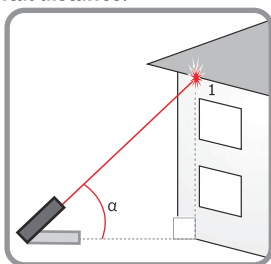
Note: Press (\leftarrow / \rightarrow) to cycle through the length, width, and height measurement values.

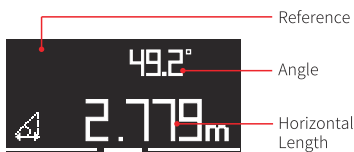


Auto Level





Press (MODE) button to select Auto Level Measurement Mode (); then press ($\leftarrow \frac{\text{MEAS}}{\text{ON}} \rightarrow$) to confirm. According to the flashing line prompt, press ($\leftarrow \frac{\text{MEAS}}{\text{ON}} \rightarrow$) button to measure, and the hypotenuse length will be displayed on the screen, and then the horizontal distance will be calculated, and the tilt angle will be also displayed on the screen.


Note: Press (\leftarrow / \rightarrow) to cycle through the tilt angle, the hypotenuse length, and the horizontal distance.

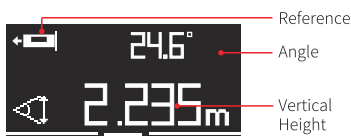
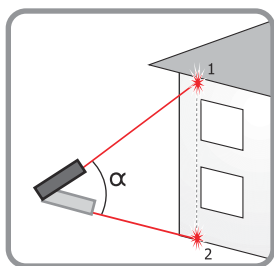







Auto Height

Press (MODE) button to select Auto Height Measurement Mode (); then press () to confirm. According to the flashing line prompt, press () button to get the length of the first line, and press the () again to get the length of the second line; then the vertical distance between the two points will be displayed on the screen.

Notes: 1. The auto height function can only be used in one-way laser measurement.
2. Press () to cycle through the angle between two lines, the length of first line, and the length of the second line.



Memory

Short press (MEMORY) button to save the current data. Long press (MEMORY) to enter the memory; press () to turn on the previous and next page, and press () button to go through the current history of measurement sides or angles; then press () button to exit the history. The saved measurement result data will be displayed from the most recent time to the furthest time.

Note: 20 sets of measurement results can be saved.



Extra-large Display Mode

Short press the (T / T) button to switch into Extra-large Display Mode, and press the (T / T) button again to exit the extra-large display mode.

Note: The extra-large display mode can only be applied in a single measurement.



Bluetooth Connection (Only available on DP20pro Version)

Measuring Device:

Long press (T / T); Bluetooth will be successfully connected when (↓↑) appears.



Smart Phone End

Turn on the Bluetooth on your phone, and click on the Bluetooth connection in the APP. After successful connection, the Bluetooth icon on your phone turns blue and (↓↑) will be displayed at the top right-hand corner on screen. Then, we can control the device remotely through the APP for measurement and data transfer. The Bluetooth function needs to be used in conjunction with the mobile phone APP, so users need to download the "Smart Life" APP in advance.

APP Download

Scan code



Step 1

Jump to the
App Market



Step 2

Search and install
"Smart Life"



Step 3

Open the APP to
connect the device



Step 4

Error Code

All errors or failures will be shown as codes. The following table explains the meaning of codes and solutions.

Code	Cause	Corrective Measure
204	Calculation error	Refer to user manual, repeat the procedures.
208	Excessive current	Please contact your distributor.
220	Low battery	Replace batteries or charge the batteries.
255	Received signal too weak or measuring time too long	Change target surface.
256	Received signal too strong	Change target surface.
261	Out of the range of measurement	Select the measurement-distance within the range of measurement.
500	Hardware error	Switch on/off the device several times. If the symbol still appears, please contact your dealer for assistance.