MILESEEY®

SP/CE master™

Laser Distance Meter
DP20 PRO Series Quick Start

Product Overview

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

The DP20 PRO 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 PRO 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 PRO series is a more eco-friendly device with a long using life span.

DP20 PRO 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 (390ft) in the two-way mode of measuring. The DP20 PRO 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.

⚠ **Warning**

a.The device is categorized into Class 2 laser product. DO NOT stare at laser directly or shoot at others or it will cause damage to eyes.
b. The product is in accordance with strict standards and regulations in terms of development and manufacturing, but still can't entirely exclude possible interference to other digital devices,and may cause discomfort to human and animals.

- Please DO NOT use this product under explosive or corrosive environment.
- Please DO NOT use this product near medical devices.
- Please DO NOT use this product on the plane.

① **Disposal：**
Everyone is responsible for environmental protection!
It is prohibited to dispose of used batteries together with household waste;please collect used batteries to designated waste station.
This product must not be recycled with household waste. Please dispose the product appropriately in accordance with the national regulations in your country.

② **Range of Responsibility：**
Mileseey will not be responsible for the damages caused by improper use below:
*Using the product without referring to the instruction;
*Use of parts from other manufacturers without approval from Mileseey ;
*Carrying out modification or conversion of the product.
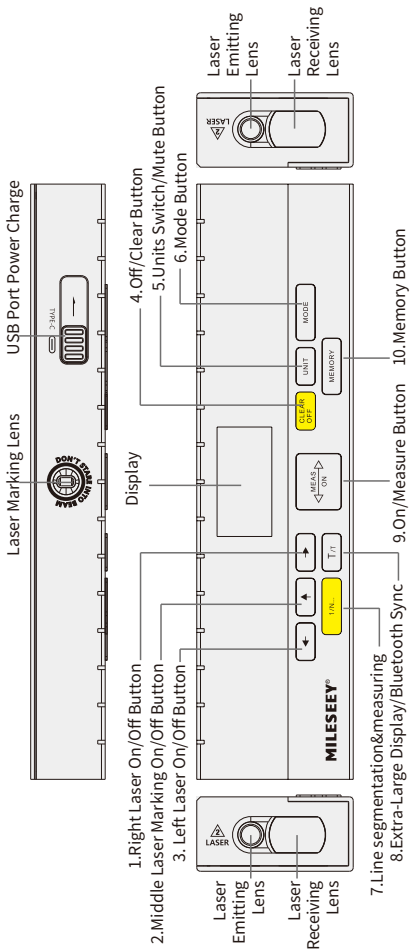
Lithium Battery Charging Instructions

This product is built with Lithium rechargeable battery; Please use original USB cable to charge by connecting to power outlet or computer.

⚠ **Warning**

Laser distance meter may heat up when charging, and it's normal; It has no effect on the device performance and service life. If it is not used for a long time, unplug the charger.

Product Appearance

USB Port Power Charge

Laser Marking Lens

Display

MILESEEY®

Laser Emitting Lens
Laser Receiving Lens

Laser Emitting Lens
Laser Receiving Lens

1. Right Laser On/Off Button
2. Middle Laser Marking On/Off Button
3. Left Laser On/Off Button

4. Off/Clear Button
5. Units Switch/Mute Button
6. Mode Button

7. Line segmentation&measuring
8. Extra-Large Display/Bluetooth Sync
9. On/Measure Button
10. Memory Button

MODE

UNIT

CLEAR OFF

MEAS ON

MEMORY

1. Right Laser On/Off Button
Short press to switch to the right side laser; Short press again to retrieve two-way laser emission. Short press to page down to historical data.

2. Middle Laser Line On/Off Button
Short press to turn on/off the middle laser line as a clear visible reference for precise alignment.

3. Left Laser On/Off Button
Short press to switch to the left side laser; Short press again to retrieve two-way laser emission. Short press to page up historical data.

Lanyard Hole

1/4 Screw Hole For Tripod
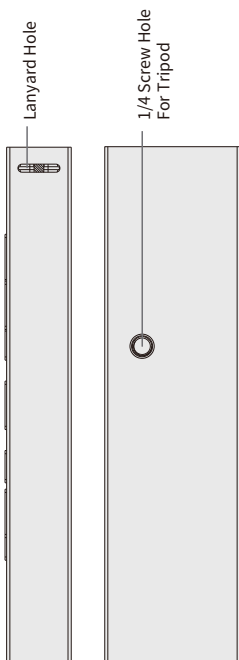
4. Off/Clear Button
Long press to turn off the device.
Short press to clear the previous operation or return.

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. Big Text Display
Short press to switch to Big Text display
Long press to turn on/off Bluetooth (Only available on DP20 Pro 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 [1] (M)	0.25~80m	0.25~120m
Accuracy [2] (MM)	$\pm(2.0mm+5\times10^{-5}D)$	
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	
Two-way measurement reference	Middle laser line	
One-way measurement reference	1.Left end 2.Middle laser line 3.Right end	
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; short press ← to switch to the left laser and short press → to switch to the right laser.

**For bilateral lasers, the measurer defaults to only use the middle laser as the reference**

For one-way measurement, the measurer is built to offer three references to meet different measuring needs. Short press the ↑ button to switch to left end, middle laser line, and right end reference.

Left end   Middle laser line

◄ - - Right end - -
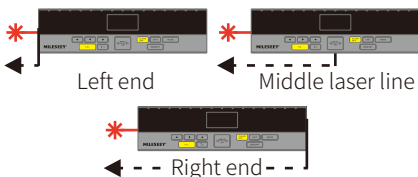
Note: After rebooting, the reference setting in last booting remains saved.

Two-way Measurement

Press the (MODE) button to enter Two-way single measurement mode (├──┤). Press the measure button (◁ᴹᴱᴬˢ₀ₙ▷) after aiming at targets to get distances. The left side length, right side length, and total length are displayed on the screen.

Left Side Data

Right Side Date

Total Length
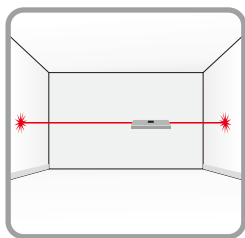
One-way Measurement

In the mode of two-way single measurement (⊢───⊣), short press ◄ button to switch to the left side distance measuring laser, or short press ➔ button to switch to the right side distance measuring laser, which switches two-way to one-way mode. Press measure button (◁ᴹᴱᴬˢ▷) after aiming at target to get distance.

Reference

Measured Data

Angle
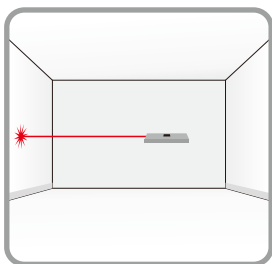
Continuous Measurement

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

Min.

Max.
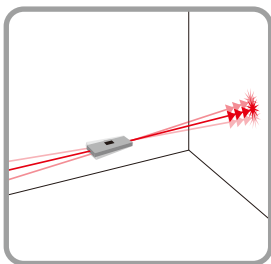
Line segmentation&measuring

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 (◁MEAS/ON▷) button to lock the current position.

Laser Marking Icon
Left/Right Values
N/N
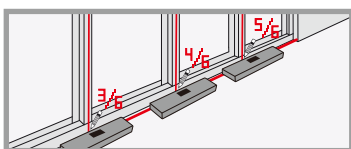
Area Measurement

Press the (MODE) button to select Area Measurement Mode (S) ; then press the (◁MEAS/ON▷) to confirm. According to the flashing line prompt, press(◁MEAS/ON▷) button to get the distance of the first line (Length), and press the (◁MEAS/ON▷) 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.

Reference
The Length of Second Line (Width)
Area
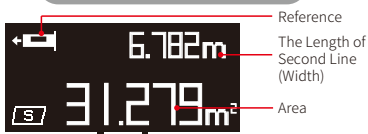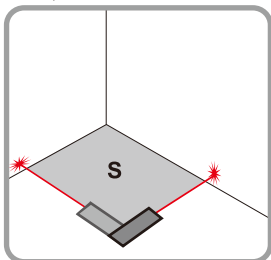
Volume Measurement

Press the (MODE) button to select Volume Measurement Mode ($\boxed{V}$) ; then press the (◁ＭＥＡＳＯＮ▷) to confirm. According to the flashing line prompt, press (◁ＭＥＡＳＯＮ▷) button to get the distance of the first line (Length), and press the (◁ＭＥＡＳＯＮ▷) to get the distance of the second line (Width),then press (◁ＭＥＡＳＯＮ▷) the again to get the distance of third line (Height); then the volume value is displayed on the screen.
Note: Press (◀/▶) to cycle through the length, width, and height measurement values.

Reference
The Length of Third Line (Height)
Volume
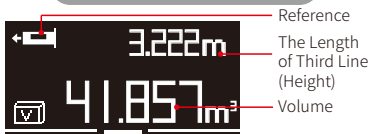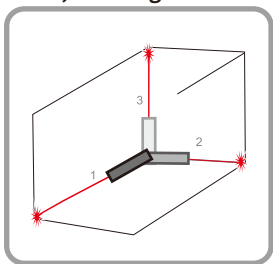
Auto Level

Press (MODE) button to select Auto Level Measurement Mode (◁) ; then press (◁ＭＥＡＳＯＮ▷) to confirm. According to the flashing line prompt, press (◁ＭＥＡＳＯＮ▷) 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 (◀ / ▶)to cycle through the tilt angle, the hypotenuse length, and the horizontal distance.

Reference

Angle

Horizontal Length
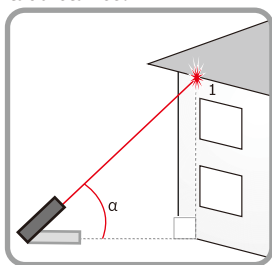
Auto Height

Press（MODE）button to select Auto Height Measurement Mode (◁⏌); then press (◁$\frac{MEAS}{ON}$▷) to confirm. According to the flashing line prompt, press (◁$\frac{MEAS}{ON}$▷) button to get the length of the first line, and press the (◁$\frac{MEAS}{ON}$▷) 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.

Reference

Angle

Vertical Height
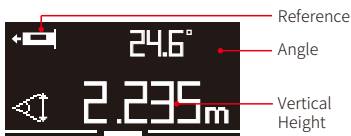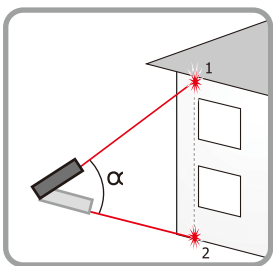
Memory

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 ($\frac{CLEAR}{OFF}$) 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.

Serial Number
Segment length
Volume
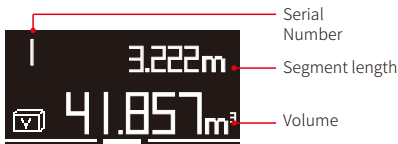
Big Text Display Mode

Short press the (T/T) button to switch into Big Text 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 the "Big Text" button (T/T), and if the Bluetooth connectivity icon ($↓↑$) appears without a cross, it means the Bluetooth successfully turns on. If it appears with a cross, it means the Bluetooth turns off.

Smart Phone End

Turn on the Bluetooth on your phone, and then you just open the Smart life App on your phone, and click add device. Usually the app will automatically add the laser measure. And then you'll see the sketching app is successfully connected to the laser measure.

There is a real time data synchronization between the laser measure and the app, which means when you acquire a measured data, it'll be automatically transferred to the app.

Note: 1. As the bluetooth function involves the use of a sketching app, users need to download the "Smart Life" App in advance.

2. To erase Bluetooth setting of DP20 Pro. Upon starting up, long-press the **CLEAR/OFF** button plus the **T/T** button simultaneously, and the device will power off after successful erasure.

APP Download

Scan code	Jump to the App Market
Step 1	Step 2

Search and install "Smart Life"	Open the APP to connect the device
Step 3	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 ormeasuring 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 rangeof measurement.
500	Hardware error	Switch onloff the deviceseveral times. If thesymbol still appears, please contact yourdealer for assistance.

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Contact us

Mileseey technology(US) Inc.
Add: Office Add:2995 East Sunset Rd Unit d115 Las Vegas NV 89120
Website: www.mileseey.net
Store: www.mileseeytools.com
E-mail: service@mileseey.com
Made in China

MILESEEY has started researching, developing and manufacturing quality optical products including laser distance measure, laser level, golf rangefinder,and binoculars since 2009. Focusing on development, researching and manufacturing for over 12 years, we strive to provide you with premium qualified products and satisfying customer service to make your life easier and smarter.

Warranty

30-Day return and refund guarantee, 12-Month warranty, lifetime technique support by MILESEEY. Please feel free to reach us with any concerns .
Email: service@mileseey.com.
We strive to reply to you within 24hours.

FCC Statement:

This device complies 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 or 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 to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Mileseey technology(US) Inc.
Add: Office Add:2995 East Sunset Rd Unit d115 Las
Vegas NV 89120
Website: www.mileseey.net
Store: www.mileseeytools.com
E-mail: service@mileseey.com
Made in China
R-R-MLY-DP20-PRO
FCC ID: 2AEOGDP20PRO