TAPE1

MILESEEY®

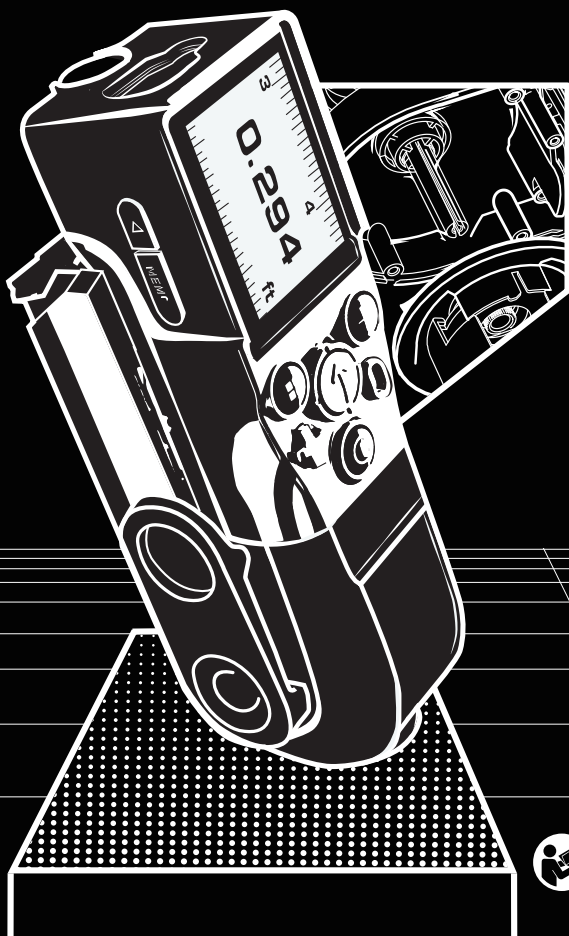## User'S Guide

Thank you for purchasing and using the Mileseey XTAPE 1 Digital Laser Tape Pro. Please read the instruction manual carefully before use.

The Mileseey XTAPE 1 Digital Laser Tape Pro merges traditional measuring methods with modern technology, creating a versatile tool suitable for a variety of tasks. The device stands out with a modular design that combines a conventional tape, digital tape, and laser measurement capabilities. Users can easily customize and upgrade the XTAPE 1 to suit their specific needs. The modular design is a significant step towards sustainability, allowing for component upgrades or replacements without the need to discard the entire device, reducing waste and extending the product's life cycle.

A notable feature is the enhanced green laser line, capable of extending up to three large-room surfaces and adjustable for spanning distance in different settings.

Durability and user convenience are key advantages of the XTAPE 1, featuring a nylon-coated stainless steel blade and an auto-lock mechanism. The interface showcases a 2.0-inch IPS display, adaptable for improved readability under various conditions. The XTAPE 1 encompasses 10 measuring modes, addressing both professional and DIY project requirements.

The smart App connectivity facilitates efficient data transfer, enhancing workflow. The ergonomic design and robust construction of the XTAPE 1 make it a reliable and efficient tool for accurate measuring tasks.

Safety Instructions

The safety instructions should be read through carefully before the product is used for the first time.

⚠️ 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 through the development and manufacturing, but still can't entirely exclude the possibility of interference to other devices, and may cause discomfort to human and animals.

CAUTION: LASER RADIATION DO NOT STARE INTO BEAM
CLASS 2 CONSUMER LASER PRODUCT
IEC 60825-1:2014 EN 50689:2021
MAXIMUM OUTPUT < 1mW
WAVELENGTH 510-530nm

● C. Please DO NOT use this product under explosive or corrosive environment.

● D. Please DO NOT use this product near medical devices.

● E. Please DO NOT use this product on the plane.

⚠ Disposal

It is prohibited to dispose of batteries together with household waste. Please collect used batteries to designated waste station. This product must not be recycled with household waste. Please dispose of the product appropriately in accordance with the national regulations in your country.

👋 Range of Responsibility

We will not be responsible for the damages caused by improper use below:

● Using the product without following the instructions;
● Use of accessories from other manufacturers without approval from us;
● Carrying out modification or conversion of the product.

Battery Charging

The XTAPE 1 incorporates a built-in 1500 mAh rechargeable Li-ion battery to power the device. Prior to each charging, carefully inspect the battery charger, cable, and plug for any signs of damage. If any damage is detected, refrain from using the battery charger. Damaged battery chargers, cables, and plugs greatly elevate the risk of an electric shock. Any signs of damage should prompt immediate discontinuation of the charger's use to ensure safety.

Components Guides
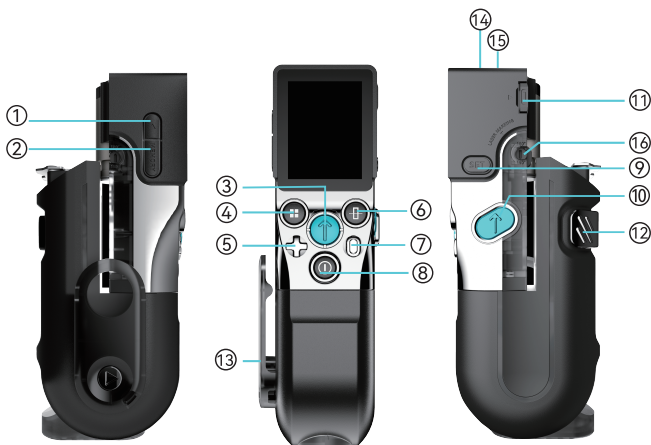
1. Page down history record
2. Memory/Page up history record
3. Measure button
4. Function
5. Plus/Minus/Select to the left
(Short press to enable plus; Long press to enable minus)
6. Reference switch

7. Zeroing button/Select to the right
8. Power/Clear
9. Setting button
10. Side Measure button
11. USB-C charging port
12. Tape retraction button
13. Belt clip
14. Laser emitting lens
15. Laser receiving lens
16. Green laser line projecting lens

Setting Icon

Short press the setting button (SET) to enter the setting function options; short press the plus (minus) ⊹ or zeroing button Ⓞ to switch setting options;
Short press the Measure ⟲ or side Measure button ⟲ to enter the submenu after selection; press the plus (minus) ⊹ or zeroing Ⓞ button to switch sub-options;
For some settings (wireless link, beep, rotating display, color theme), press the Measure ⟲ or side Measure ⟲ button to change the sub-state of these settings.

Distance units 1	**m**	**ft**	**in**	**' "**	**mm**	**cm**
Wireless link 2	⇅			⇅		
Beep 3	🔊			🔇		
Display setting 4	123		123		123 123 123 123	
Rotating display 5	⊟			⊟		
Color theme 6	▮1▮			▯1▯		
Green Laser reference 7	(reference)		(reference)		(reference)	
Offset setting 8	⊦⁺α⊣					

● 1. The unit can be switched between metric and imperial units.
● 2. Wireless link can be turned on or off to connect to the Smart Life App. Measured data can consequently be transmitted from the laser tape measure to mobile terminals.
● 3. Choose to either enable or disable the beep.

● 4. There are three display modes: Large Font mode, Multi-Line History Data mode, and Tape Measure mode. All three modes can be used for digital tape and laser tape measurements. Tape Measure mode and Large Font mode can only be used for single and continuous measurements. You can select from 4 colors in Tape measure mode.

● 5. The screen orientation can be adjusted to the left and right for easy reading by both left and right-handed users.

● 6. In Large Font Mode, Multi-line history Data display mode, choose black or white color theme for the screen back-ground.

● 7. Switch among front, center, or rear reference of the green laser line due to its thickness to enable the utmost precision.

● 8. When the offset is turned on, all measurement results will be added or subtracted by the set offset value.
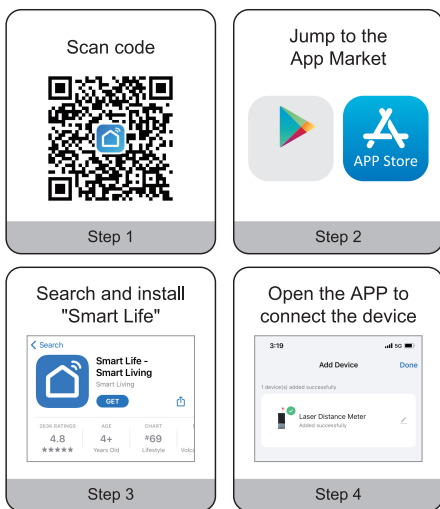
Note: Remember to zero the offset value when there is no need for distance compensation.

The XTAPE 1 Digital Laser Tape Pro:

After powering on the device, enter the settings by pressing the setting button (**SET**) , then switch to link settings by pressing plus (minus) ➕ or zeroing button 🄀 . Press Measure or side Measure button to switch on the wireless link 🔼 . The flashing icon means that the wireless connecting is in progress and the fixed display means that the link connection is successful.

The Mobile Terminals:

Turn on the wireless communication on mobile phone. Open the App and click "add device". After the connection is successful, the wireless link icon on the measuring device no longer flashes. At this time, the users can perform functions such as data transmission and data labeling through the App. Note that the Wireless Link function needs to be used in conjunction with the mobile phone App, and the users need to download the "Smart Life" App in advance.

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

Toggle Between Tape/Laser Measurement

Upon startup, the device enters laser measurement mode by default, and when the blade is extended, it automatically switches to digital tape mode and the laser measure is disabled. The laser measure will be activated again when the tape measure retracts back to zero in the house.

Basic Tape Operations

The Blade Hook has four edges on the top, bottom, left, right, with a magnetic grip so you can hook from four different directions. The hook will wiggle depending on whether you are hooking or butting against something. The hook will move 1 millimeter which is the width of the hook, and the tape is accurately calibrated for the 1 millimeter thickness.

Measurement Method A: Butt against
Take the outer surface of the hook blade as the base point of the 0 scale. After the hook blade pushes against the object, it will retract for a small distance. The retracted length is the thickness of the hook blade (1mm).

Measurement Method B: Hook over
Take the inner surface of the ruler hook as the 0 scale base point. The tape blade will move and stretch for a small distance after the hook blade is hooked over the edge of an object, and the stretching distance is 1mm.
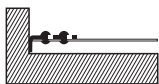
Measurement method A:
Butt Against
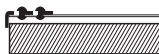
Measurement method B:
Hook Over

Assembly and Disassembly

The XTAPE 1 Digital Laser Tape Pro is designed for easy assembly and disassembly.
The modules are disassembled by default. To assemble, align the laser module's slot with the tape measure module's catch. Gently press downwards to snap and secure the modules together, completing the assembly of the XTAPE 1 laser digital tape measure.
For disassembly, simply pull the modules apart in the opposite direction, moving from the bottom upwards. It's important to handle the device carefully during this process; avoid applying excessive force or pulling in the wrong direction, as this could damage the connectors.

Reference Change

The XTAPE 1 defaults to the Green Laser Line reference either in laser mode or tape mode. Press reference switch button ⊕ to change to the Rear reference and Press again to switch to Front reference.

Note: As the Green Laser Line has a thickness. Ensure to set the reference for the green laser line first to Line Front, Line Center, or Line Rear in the setting options depending on the measuring situations to enable the utmost precision.
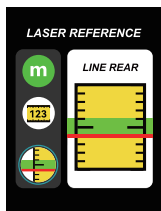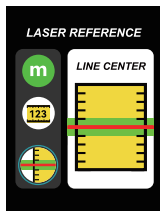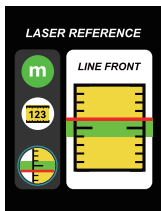

Front Reference

Green Laser Line Reference


Rear Reference



Tape Measuring Functions

Length Measurement

When the blade is stretched out, the device automatically switches to digital tape mode ⊙. . The icon ⊙. blinks to indicate that measurement is in progress. By pulling or retracting the tape blade, the screen displays the measurement value in real-time. Press the Measure (↑) or side Measure (↑) button to record the data. To restart the digital tape measure, simply pull the tape again.
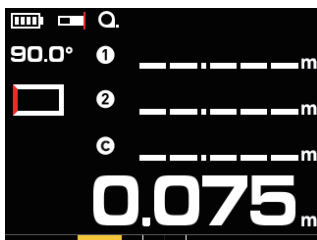
Area Measurement

Short press function button (⊞) to access the function options, and then short press plus (minus) ✛ or zeroing ⓪ button to switch to the target function of Area **S** . Refer to the red segment indication on screen; pull out the tape to the measured point, and press the Measure (↑) or side Measure (↑) button to acquire the first distance (length). Then pull the tape blade again; press the Measure (↑) or side Measure (↑) button to record the second distance (width). The area is automatically calculated and displayed on the result line. The values of length, width and perimeter are displayed above it.
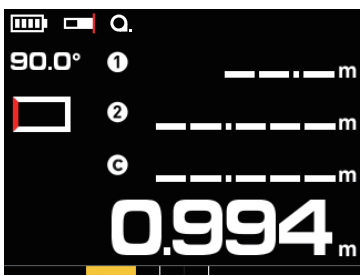

Volume Measurement

Short press the function button (⊞) to access the function options, and then short press plus (minus) ✛ or zeroing ⓪ button to switch to the target function of volume **V** . Refer to the red segment indication on screen; pull out the tape to the measured point, and press Measure (↑) or side Measure (↑) button to acquire first distance (length). Then pull the tape again; press the Measure (↑) or side Measure (↑) button to record the second distance (width). Then pull the tape one more time and press the Measure (↑) or side Measure (↑) button to record third distance (height). The volume will be automatically calculated and displayed on the screen. The values of length, width and height will be displayed above it.
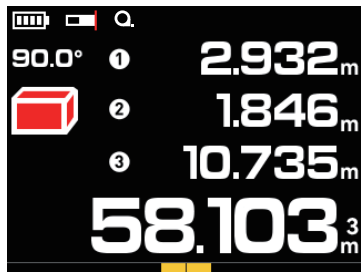
Single Length		Continuous	
Area		Volume	
Indirect Length		Indirect Height	
Point-to-Point		Stake-out	
Live Rotation Angle Display		Live Tilt Angle Display	

Single Length

After starting up, short press Measure (↑) or side Measure (↑) button; the laser turns on, and enters the Single Length mode ▶️ by default; aim the laser at the measurement target; press Measure (↑) or side Measure (↑) button again, and the measurement result is displayed on the result line. Press again for the next data measurement.
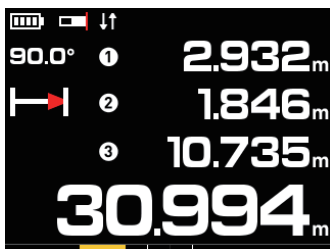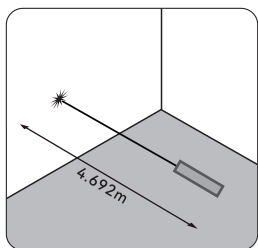

Continuous

In continuous measurement mode, you can dynamically measure distances as you move relative to a target. The device updates the measurement approximately every 0.3 seconds. For instance, if you're moving away from a wall, the device continuously updates to show the actual distance in real time.

To use this mode, press function button (⊞) to select the continuous measurement option ▶️. short press plus (minus) ➕ or zeroing button (0) to switch to the continuous measurement mode ▶️. Press Measure button to confirm. Then, move the device until the display shows the desired distance value at the bottom. A brief press of the Measure (↑) or side Measure (↑) button stops the continuous measurement, freezing the current

value on the display. During this pause, the display will show the current measured value at the bottom, with the maximum and minimum values displayed above it.
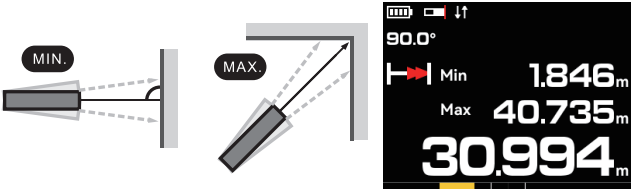
Area

After turning on the device, press function button ⊞ to enter the measurement function options; short press plus (minus) ⊹ or zeroing button 🄾 to switch to the area measurement mode **S** . Press Measure button to confirm. Referring to the red segment indication, aim the laser at the first point of the measurement target; press the Measure ↑ or side Measure button ↑ to capture the length (length); then align it with the second point; press Measure ↑ or side Measure button ↑ again, and the area is displayed at the result line, and the height, the width, and the perimeter will be displayed above it.
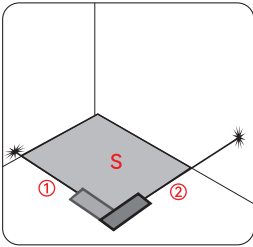
Note: If you are measuring the area using laser measurement, you can swiftly switch to the digital tape measure mode to continue the area measurement by pulling out the tape blade (e.g., laser measure for length, and tape measure for width).

Volume

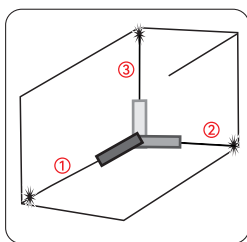After starting up the device, press function button ⊞ to enter the measurement function options; short press plus (minus) ⊹ or zeroing button ⓪ to switch to the Volume measurement mode **V** . Press Measure button to confirm. Referring to the red segment indication, aim at the target point, and press the Measure ⬆ or side Measure button ⬆ to record the first distance (length). Press the Measure ⬆ or side Measure button ⬆ again to record the distance of the second distance (width). Press the Measure ⬆ or side Measure button ⬆ once more to measure the third distance (height). The calculated volume will be displayed in the result line. The length, width and height are displayed above it.

Note: If you are measuring the volume using laser measurement, you can swiftly switch to the digital tape measure mode to continue the volume measurement by pulling out the tape blade (e.g., laser measure for length, and tape measure for width and height).

Indirect Length

After turning on the device, short press the function button ⊞ to enter the measurement function options; short press the plus (minus) ⊹ or zeroing button ⊚ to switch to indirect length mode ◿ ; Press Measure button to confirm. Referring to the red segment of hypotenuse, press the Measure ⊕ or side Measure ⊕ button to capture the distance of the hypotenuse. The horizontal length will be displayed in the result line. The distance of hypotenuse, and the angle between the hypotenuse and the horizontal distance will be displayed above it.
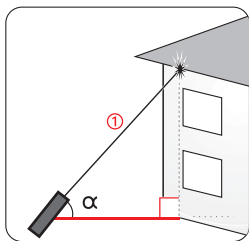

Indirect height

After turning on the device, short press the function button ⊞ to enter the measurement function options; short press plus (minus) ⊹ or zeroing button ⊚ to switch to the indirect height mode ◁ ; Press Measure button to confirm. Referring to the red segment of hypotenuse, short press the Measure ⊕ or side Measure button ⊕ to get the length of first hypotenuse, and then press it again to get the length of the second hypotenuse; the vertical height will be displayed in the result line. The values of the first and second hypotenuse, the included angle of the two hypotenuses will be displayed above it.

Point-to-Point Measurement

After turning on the device, short press the function button to enter the measurement function options; short press plus (minus) or zeroing button to switch to Point-to-Point measurement (P2P) mode .

In P2P mode, ensure that the device remains stationary as it initiates a brief calibration process of 6s (it is advised to place the device on a table). After the calibration notice disappears, proceed to follow the red line indication, and press the Measure or side Measure button to determine the distances along both line "1" and line "2". Subsequently, the device will perform calculations and present the measured distance L between these two points. The values of distance 1, 2 and the included angle will be displayed above it.
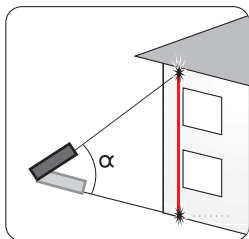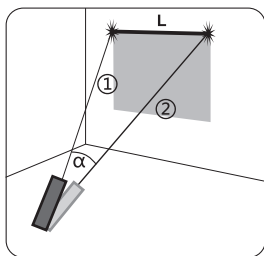

Stake-out

After turning on the device, short press the function button to enter the measurement function options; short press plus (minus) or zeroing button to switch to stake-out mode .

Press the setting button (SET) to move the digit/position in box A of beginning value, and set the beginning value by using plus (minus) or zeroing button to the desired value. Continuously press the setting button (SET) to move to box B and select the corresponding digit/position and change the value with plus (minus) or zeroing button . Begin the stake-out function by pressing the Measure or side Measure button and slowly move the device away from the staring point. The measuring tool continuously measures the distance to the starting point. The defined length and the current measured value are thereby displayed. The left or right arrow and the value in the middle indicate the shortest distance to the next or last marking. When approaching to a timed distance to the defined stake-out distance, the device starts buzzing.
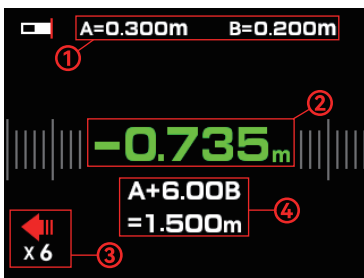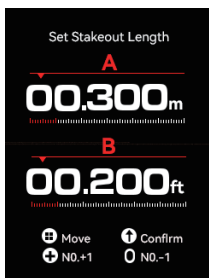
①. A: The beginning distance: 0.300m

　　B: The defined length: 0.200m

②. The difference(the distance left to the stake out point)

③. Times: N

④. Total length=0.300+0.200*6

Add/Subtract

In the modes of single measurement, Area, and Volume, short press Plus (minus) button ✛ to perform addition or long press Plus (minus) button ✛ to perform subtraction calculations based on the previous record. The result will be displayed on the screen.

Note: This function supports multiple additions and subtractions.

Incremental measurement(zeroing measurement)

Pull out the tape measure to activate the digital tape mode ◔. , and the icon ◔. on the screen blinks to indicate the measurement is in progress. As you pull out the tape, the screen displays the measurement value in real-time. Press the zeroing button ⓪ to record the first measurement data and resets the tape measure data to zero. When you continue pulling the tape measure, the zero point becomes the new starting point for measurement.

Please note that after the first measurement value is cleared to zero, pulling the tape forward from the new starting point will display a positive value, while retracting it backward from the new starting point will display a negative value.

After powering on the device, press the function key to navigate to the 1/N function.Short press the plus or minus key ✛ or the zero key ⓪ to set the number of intervals from 1/2 to 1/9.
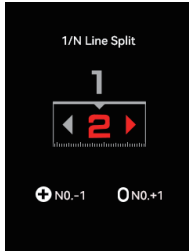
Once the 1/N value is set, press the measure key or pull the tape measure to confirm and start measuring. The total value will be displayed in the top left corner of the screen; the value of each interval will be shown in the top right corner. Move the device straight on the surface, and the indicator arrow will move accordingly. When a red arrow appears on the right and aligns with a green line, it indicates you've reached a division point.
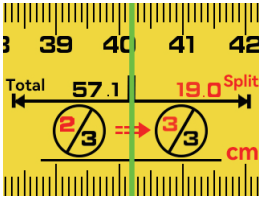
Move the device straight
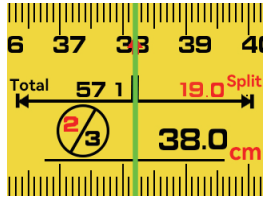
Hitting the division point

Note: You may find a blue arrow appearing in the end, and the gap between the red and green arrows indicates the remaining distance after dividing.

The remaining distance after division
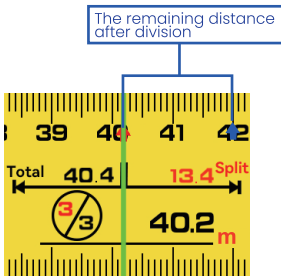
Live Rotation Angle Display

The live rotation angle display allows you to acquire a desired rotation angle or measure an existing angle on any surface and gives you real time confirmation of the angle in your angle measurement.
After turning on the device, short press the function button ⊞ to enter the measurement function options; short press plus (minus) 🕂 or zeroing button ⓪ to switch to live rotation angle display mode ⬕ .
In live rotation angle display mode, ensure that the device remains stationary as it initiates a brief calibration process of 6s (it is advised to place the device on a table). After the calibration notice disappears, use the green aligning laser line as your starting point and move the device away from that initial line; the XTAPE 1 will accurately display the real-time live rotation angle formed between the current aligning laser line and the original one on any surface.
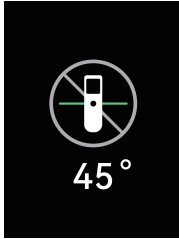
## Live Tilt Angle Display

The Live Tilt Angle Display shows real-time angle of inclinations. It allows you to easily find the horizontal (0 degree) or vertical (90 degrees) position or any other inclination angles you need.
After turning on the device, short press the function button ⊞ to enter the measurement function options; short press plus (minus) 🕂 or zeroing button ⓪ to switch to live tilt angle display mode ⬕ .
In live tilt angle display mode, ensure that the device remains stationary as it initiates a brief calibration process of 6s (it is advised to place the device on a table) . After the calibration notice disappears, tilt the device or put it on on a inclined surface; the device will display the real-time tilt angle formed between the inclined position and the horizontal line.

45°   90°
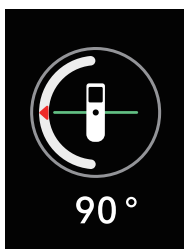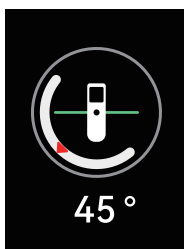
Specification

Model	XTAPE 1
Tape length	12ft
Laser length	330ft
Digital accuracy	+/-1/32"
Laser accuracy	+/-1/16"
Screen	2" IPS
Minimum display resolution	0.001m
Units	m/ft/in/'"
References	Front/Green laser line/Rear
Memory	50 Groups
Green laser line extension	✓
Gyro sensor	✓
Single length	✓
Continuous measurement	✓
Area	✓
Volume	✓
Indirect length	✓
Indirect height	✓
Point-to-point(P2P)	✓
Stake-out	✓
Live rotation angle display	✓
Live tilt angle display	✓
Laser type	Class 2

Measuring laser wavelength	635nm red laser, <1mw
Green marking laser wavelength	515nm green laser, <1mw
Green laser adjustment	180°, 150°
Storage temperature	-10℃ ~ 60℃
Charging port	USB-C
Working temperature	0℃ ~ 40℃
Battery type	1500mAh rechargeable Li-ion battery
Battery runtime	7h
IP protection	IP54
Drop test rating	2m
Dimensions	162.5*51*67.5mm
Net weight	476g

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 the user manual and repeat the procedures.
208	Excessive current	Please contact your distributor for support and guidance.
220	Low Battery	Replace the batteries or charge them if they are rechargeable.
255	Received signal too weak or measuring time too long	Use a target plate or place white paper on the surface being measured.
256	Received signal too strong	Use a target plate and avoid aiming the device at sources of strong light.
261	Out of measuring range	Measuring the distance within measurement range.
500	Hardware error	Try switching the device off and then on again. If the symbol persists after several attempts, please contact your dealer for further assistance.

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Made in China
Mileseey has started researching, developing and manufacturing of high-quality optical products including laser measure, laser level, golf rangefinders, thermal and digital night vision monocular & goggles since 2009.
Having focused on the development,
researching, and manufacturing for over 15 years, we strive to provide premium products and best customer services to make people's 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 24 hours.

MILESEEY®

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