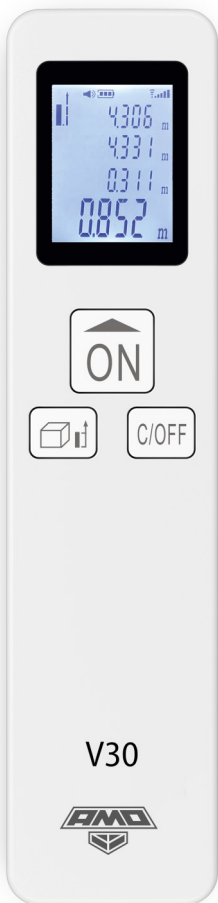




User Manual

LASER
RANGEFINDER
AMO V30



We recommend that you carefully read this manual before using the device for the first time.

Failure to comply with the recommendations given in this manual may cause harm to the health of the user or other people.

This product uses Class II laser radiation. It is strictly forbidden to direct the laser beam into your eyes or at people or animals. Keep the device out of the reach of children.

Do not aim the beam at shiny or reflective surfaces (mirrors, etc.).

The rangefinder is intended for professional use only. Do not give the device to untrained persons.

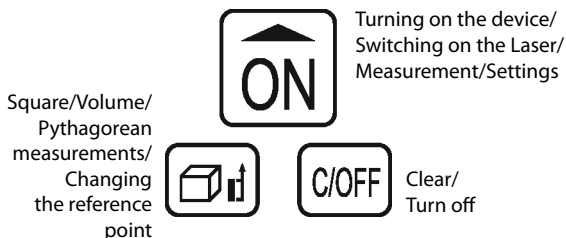
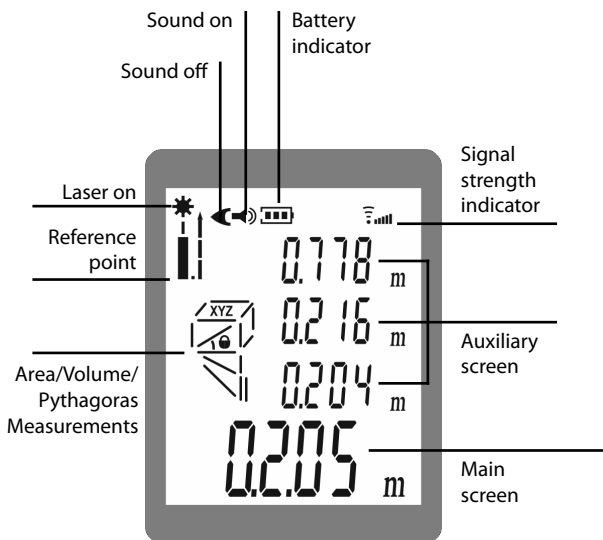
Improper handling of the instrument may damage the instrument or affect measurement accuracy.

Do not disassemble or repair the device yourself, do not try to modify its design. If you have technical problems, please contact your dealer or service.

A working device generates electromagnetic radiation. Do not operate the device on airplanes, near medical equipment, explosive or flammable objects.

Do not dispose of the device and batteries with household waste, dispose of them according to local regulations.

1. Display and buttons







2. Installing and replacing batteries


Open the battery cover, insert two 1.5V AAA batteries. Observe the polarity of the installation. Then close the cover.

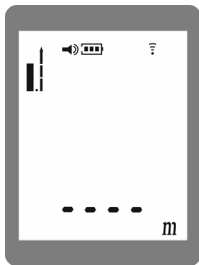
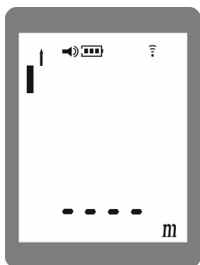
If you do not use the rangefinder for a long time, remove the batteries to avoid battery leakage and damage to the device.


3. Getting started



Turning on. To turn on, press button  for 1 second. The display backlight automatically turns off after 15 seconds of inactivity of the device.

Measurements. When on, press button  once to turn on the laser. Press the same button again to take the measurement. At the end of the measurement, the laser will turn off automatically. Long press of button  will switch the device to continuous distance measurement mode. Symbol  on the display shows the strength of the reflected signal, the fewer segments in this symbol - the weaker the signal.


Change of measurement reference point. Long (more than 2 seconds) pressing of button  with the device switched on switches the measurement reference point. When the device is switched on, the reference point is set by default - from the lower end of the device, that is, the measurement result includes the length of the device itself. When changing the reference point to the front end of the instrument, the result does not include the instrument length.





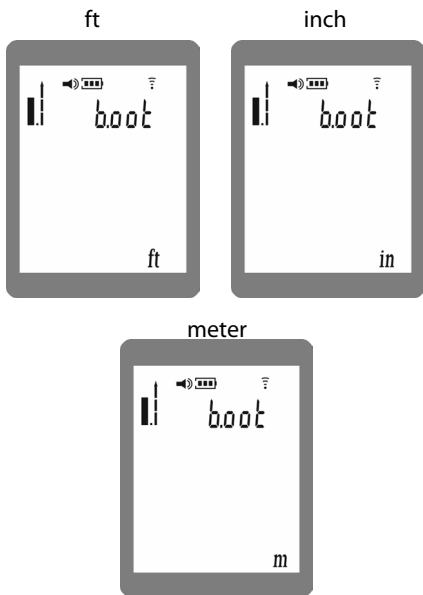
Turning off. Press button  for 1 second to turn off the EDM. The device turns off automatically after 45 seconds of inactivity.



Instrument settings. Long (about 5 seconds) pressing of button  with the device turned off starts the setup mode (see the figure below). Pressing and holding button  again for 1 second switches the settings of different functions of the device.



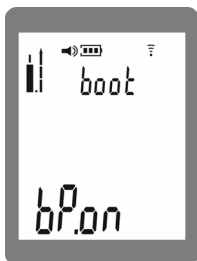
1. In this mode, the measurement value can be corrected within ± 7 mm. A short press on button  adjusts the value.

2. Pressing and holding button  for 1 second starts setting the units of measure (ft/inch/meter). Select the required unit of measure by short pressing the button .





3. Pressing and holding button  again for 1 second starts the sound setting. Select the mode "mute" or "with sound" by short pressing the button .

on

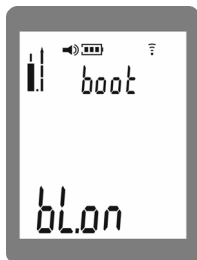


off



4. Press button  again for 1 second to adjust the display backlight. Select "backlight" or "no backlight" mode by short pressing button .




on



off





Area measurement.






Turn on the device, briefly press button , the area measurement mode is started. The screen will display  – a rectangle with a flashing side. Select the point of the aiming shape, press , to measure the distance. The other side of the rectangle icon will start flashing. Measure the second distance, the device will calculate the area automatically. The

lengths of the sides will be reflected on the sub screen, the resulting area value - below on the main screen.

Volume measurement.

Press button  briefly until icon  is displayed on the screen. The device has entered the volume measurement mode. Take three measurements (length, width, height), the device will automatically calculate the volume - similar to the calculation of the area from the previous paragraph of this manual.

Pythagoras measurements.

Press button  briefly until icon  is displayed on the screen. The device can carry out three types of distance calculations according to the equation from the Pythagorean theorem, the type of calculation is indicated on the display: ,  or . Select the desired mode by short pressing the button, measure the lengths of two segments, the device will automatically calculate the third value - similar to the calculations in the previous paragraphs.

Attention: when taking measurements according to Pythagoras, it must be remembered that in a right-angled triangle, the leg is always shorter than the hypotenuse. If the values are entered incorrectly, the display will show the error message "D. E".

On-screen problem messages and how to fix them

Message	Message meaning	Solution
B. L	Low battery	Replace the battery
T. L	Temperature too low	Use the device only within the permissible temperature range.
T. H	Temperature too high	Use the device only within the permissible temperature range.
D. E	Incorrect input of the original value	Enter the correct value

Caring for the device

Protect the rangefinder from water, do not use or store the device in high humidity. If necessary, wipe the device gently with a damp soft cloth without using any cleaning agents. The laser lenses and the screen can be processed with optical products.

Specifications

Measurement range	0,03-35 m*
Accuracy of measurements	± 3 mm
Units of measurement	meter/ft/inch
Measurement time	0.3-4 sec
Laser type	class II, 620 ~ 670 nm, <1 mW
Automatic laser shutdown	15 sec
Automatic device shutdown	45 sec
Display backlight	+
Changing the measurement reference point	+
Area/Volume Measurement	+
Pythagoras measurements	+
Power supply	Two 1.5V batteries, type AAA
Working temperature	from 0 °C to + 40 °C
Storage temperature	from -20 °C to +60 °C
Dimensions	110 × 26 × 13 mm
Weight	20 g

Under good measurement conditions (the surface reflects light well, measurements are taken indoors), the range can reach 40 m.

In poor conditions (too bright light, high temperature, the surface does not reflect light well), the measurement error can be up to ± 0.25 mm/m.

Use a laser target to increase the measuring distance in bright sunlight or if the surface to be measured reflects light poorly.



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