



User Manual

LASER
RANGEFINDER
AMO B30



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.

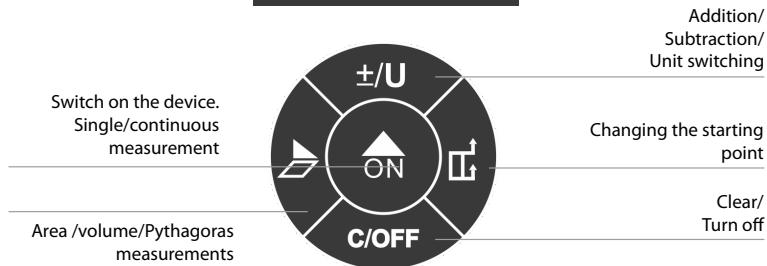
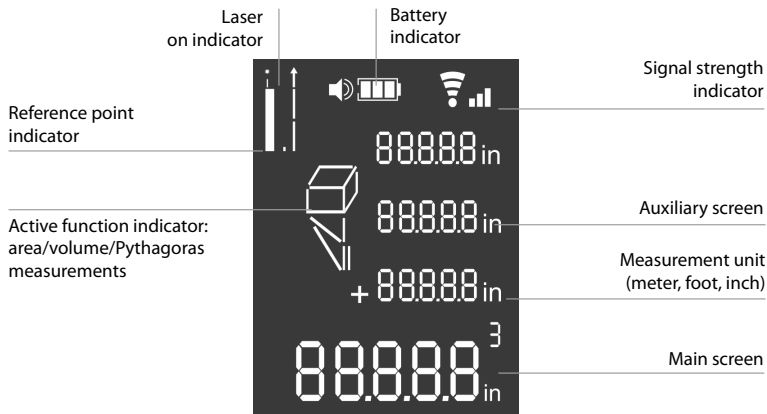
Improper handling of the instrument may damage the instrument or affect measurement accuracy.

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.


Display and buttons.




Switching the device on/off.

Press and hold button . To turn off, press and hold button . The display automatically turns off after 30 seconds of inactivity, the device automatically turns off after 8 minutes of inactivity.

Changing the measurement reference point.


Pressing button  with the device switched on switches the measurement reference point. When the device is turned 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 switching the reference point to the top of the instrument, the result does not include the instrument length.



Units of measurement. A long press on button  will start the function of choosing the units of measurement - meter, foot, inch.




Length	0,000 m	0,00 m	0,00 m	0,01/18	0,0 inch	01/18 inch
Square	0,00 m ²	0,00 m ²	0,00 ft ²	0,00 ft ²	0,00 ft ²	0,00 ft ²
Volume	0,000 m ³	0,00 m ³	0,00 ft ³	0,00 ft ³	0,00 ft ³	0,00 ft ³



Deleting measurement results. To cancel the last action, briefly press the C/OFF button. Pressing will erase the result of the last measurement, for example, in the case of an incorrect set value for calculating volume/area, etc.



Measurements


Single and continuous 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. The indicator on the display shows the strength of the reflected signal, the fewer segments - the weaker the signal.


Long (about 2 seconds) pressing of button  will switch the device to continuous distance measurement mode. During measurements, the current distance is displayed on the main screen of the display, and the minimum and maximum values of this measurement cycle are displayed on the auxiliary screen. A new short press , will stop the measurement process and fix the results on the display.

Area measurement. Switch on the device, briefly press button , the area measurement mode is started. The screen will display  – a rectangle with a flashing side. Select the aiming point, 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 auxiliary screen, the resulting area value – below on the main screen.

Measurement of volume. 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.

Measurement of the length of an inaccessible segment according to Pythagoras. Press button  briefly until icon  is displayed on the screen. Following the instructions on the screen (flashing of the sides of the triangle), measure the length of the two segments, the device will automatically calculate the third value.

Addition function. Take a measurement, then press button , "+" symbol will appear on the screen. Take another measurement, the instrument will automatically add up the results. The addition of the measurement results can be continued indefinitely.

Subtraction function. Take a measurement, then press button , twice, "-" appears on the screen. Take another measurement, the device will automatically calculate the difference between the results. Subtraction of measurement results can be continued indefinitely.

On-screen problem messages and how to fix them

Message	Message meaning	Solution
B. L	Low battery	Charge 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. H	Out of range	Take the measurement again
S. L	Signal too weak	Choose the object with better reflectivity
S. H	Signal too strong	Choose the object with lesser reflectivity
H.F	Program error	Switch the appliance off and on again. If this does not help, contact your dealer or service

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	0,33-30 m*
Accuracy of measurements	±2 mm
Units of measurement	Meter/ft/inch
Measurement time	0,1-3 sec
Laser type	Class II, 635 nm, <1 mW
Automatic laser shutdown	60 sec
Automatic device shutdown	480 sec
Changing the measurement reference point	+
Area/Volume Measurement	+
Pythagoras measurements	+
Add/subtract function	+
Power supply	Li-Ion battery 200 mAh
Working temperature	From 0 °C to +40 °C
Storage temperature	From -20 °C to +60 °C
Dimensions	100×31×13 mm
Weight	29 g

Under unfavorable conditions (too bright light, high temperature, the surface reflects light poorly), the measurement error can be up to ± 1 mm/m.

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



amo-tools.com

EAC

Made in China