

Инструкция по эксплуатации

Лазерный дальномер / рулетка CONDTROL X1 Plus
1-4-062

Цены на товар на сайте:

http://www.vseinstrumenti.ru/instrument/izmeritelnyj/lazernye_dalnomery/condtrol/lazernyj_dalnomer_condtrol_h1_plus/

Отзывы и обсуждения товара на сайте:

http://www.vseinstrumenti.ru/instrument/izmeritelnyj/lazernye_dalnomery/condtrol/lazernyj_dalnomer_condtrol_h1_plus/#tab-Responses

Congratulations on the purchase of your CONDROL X1 Plus. The safety instructions can be found in the back of the booklet. The safety instructions and the user manual should be read through carefully before you use the product for the first time.

WARRANTY

The warranty is 36 months from the date of sale.

COMPLETE SET

Laser distance meter - 1
User manual - 1

START-UP**INSERTING/REPLACING BATTERY**

1. Remove the battery compartment lid and attach handstrap.
2. Insert the battery, observing correct polarity.
3. Close the battery cover. Replace the battery when the symbol flashes permanently in the display.

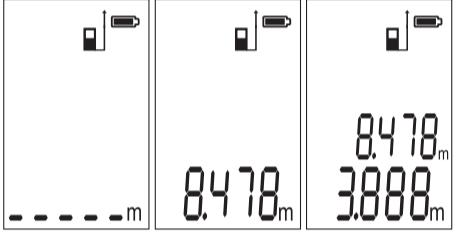
Remove the battery before any long period of non-use to avoid the danger of corrosion.

**MENU FUNCTIONS****Single distance measuring mode**

READ press once. Activate the product and all symbol display for checking. The display standby mode. When the meter switching on pause should be as short as possible. Measuring time in single mode should be < 0.5sec to 90% Kodak grey card at distance <15m. Lighting condition <2000 LUX. Indoors.

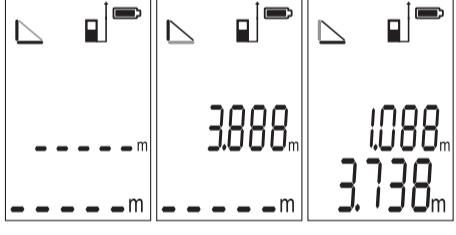
Press **READ** button for turn on the laser beam to aim at object which you want to measure.

1	Press READ	Result appears in lower (big) string. Laser switched off.
2	Press READ once again	Laser switch on for targeting. Previous result moves to second string.
3	Press READ	New measured result appears in "big" lower string. Laser switched off.

**Simple Pythagoras**

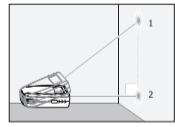
Use Pythagorean Theorem ($a^2+b^2=c^2$) to measure height indirectly.

1	Press button once to switch to simple Pythagoras function	The symbol appears in the display
2	READ Press this button to measure the first (long) side of the triangle	Measured result (Hypotenuse) appears in upper string
3	READ Press this button to measure the second (short) side of the triangle	Previously measured result disappear, current value (Cathetus) appears in upper string. Calculated CATHETUS appears in lower (big) string.



Press **C OFF** button once to cancel last step.

To cancel this mode press **C OFF** twice.



The following errors can be corrected:

Code	Cause	Remedy
301	Distance is out of range	Keep in correct measure range
302	Reflected signal is too weak	Measure on a better surface
303	Out of display range	Reset zero by press Power-Key
304	Pythagorean theorem calculation error	Check value is correct
305	Low battery	Change new battery
306	Temperature too low	Warm up instrument
307	Temperature too high	Cool down instrument
308	Ambient light is too strong	Measure in a darker background

NOTES**Note:**

- Replace the battery when the indicator shows absence of a charge .
- If the indicator of the battery charge shows one division, you can make approximately 100 measurements .
- The power indicator blinks when the battery is low .

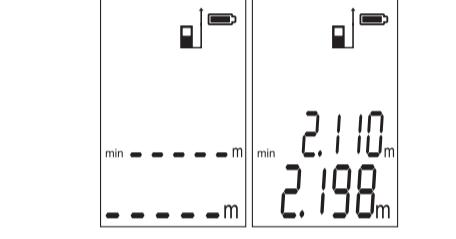
USE OF THE INSTRUMENT

- Measurements of linear distances.
- Carrying out of indirect measurements (Pythagorean method).
- Calculation of the area and volume.
- Minimum/maximum measurements.

OPERATION**Continuous distance measuring mode**

Press and hold **READ** button to switch into continuous measuring mode, the laser beam will be also activated. The data will be display simultaneously. Minimum in top string, Current value in lower big string. Press any of buttons **READ** or **C OFF** to stop continuous laser. Catch the final length display on the screen. Measuring time in continuous mode should be < 0.3sec to 90% Kodak grey card at distance <15m. Lighting condition <2000 LUX. Indoors.

Press **READ** button for turn on the laser beam to aim at object which you want to measure.

**Addition / Subtraction**

Laser switching on for targeting by pressing

1	Press READ once again to measure	Result appears in lower (big) string
2	Press + - button one or two times to choose appropriate action	Sign + or - appears Previous result moves to upper string.
3	Press READ	Laser switch on for targeting.
4	Press READ	Measured result appears in upper string. Calculated value appears in lower (big) string.

MEASURING CONDITIONS**Measuring range**

The range is limited to 30 m. At night or dusk and if the target is in shadow the measuring range without target plate is increased. Use a target plate to increase the measurement range during daylight or if the target has poor reflection properties.

Target surfaces

Measuring errors can occur when measuring toward colorless liquids (e.g. water) or dust free glass, Styrofoam or similar semi-permeable surfaces. Aiming at high gloss surfaces may deflect the laser beam and lead to measurement errors. Against non-reflective and dark surfaces the measuring time may increase.

Care

Do not immerse the instrument in water. Wipe off dirt with a damp, soft cloth. Do not use aggressive cleaning agents or solutions. Handle the instrument as you would a telescope or camera.

Warranty

The Condtrol X1 comes with a one year warranty from CONDTROL Ltd.

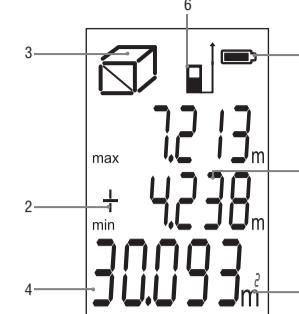
SAFETY INSTRUCTIONS

The User Manual can be found in the first part of the booklet, forms a part of the Safety Instructions. Carefully read the Safety Instructions and the User Manual before using this product. The person responsible for the instrument must ensure that all users understand these directions and adhere to them.

Symbols used

The symbols used in the Safety Instructions have the following meanings:

- WARNING:** Indicates a potentially hazardous situation or an unintended use which, if not avoided, will result in death or serious injury.

Display

- 1 Minimal measurement
- 2 Single / continuous measurement
- 3 Area/volume/Indirect measurement
- 4 Main line
- 5 Battery status
- 6 Measuring reference
- 7 Measuring units

TECHNICAL DATA

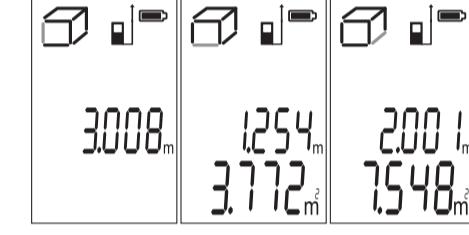
Laser type	650 nm / Class II / < 1 mW
Range	0,05 m - 40 m * (0.17 ft - 132 ft)*
Measuring accuracy	Typically ± 3 mm **
Smallest unit displayed	1 mm (1/16 in)
Autom. switch off Laser:	45 sec Instrument: 180 sec
Storage temperature range	-25 °C ...+70 °C (-13 °F ... +158 °F)
Operation temperature range	0 °C ...+40 °C (+32 °F ... +104 °F)
Dimensions	110 mm x 43 mm x 26 mm (4.33 in x 1.69 in x 1.02 in)
Weight	70 g

* Use a target plate to increase the measurement range during daylight or if the target has poor reflection properties

** in favourable conditions (good target surface properties, room temperature) up to 10 m (33 ft). In unfavourable conditions, such as intense sunshine, poorly reflecting target surface or high temperature variations, the deviation over distances above 10 m (33 ft) can increase by ± 0.35 mm/m

Volume

1	Press button twice.	The symbol appears in the display
2	READ Press this button to take the first length measurement (height)	Measured result appears in upper string
3	READ Press this button to take the second length measurement (width)	Measured result appears in upper string.
4	READ Press this button to take the third length measurement (length)	Current measurement (length) appears in upper string. In lower (big) string appears calculated result in cubic meters.



Press **C OFF** button once to cancel last step.
To cancel this mode press **C OFF** twice.

CAUTION:

Indicates a potentially hazardous situation or an unintended use which, if not avoided, may result in minor injury and/or in appreciable material, financial and environmental damage.

! Important paragraphs which must be adhered to in practice as they enabled the product to be used in a technically correct and efficient manner.

Prohibited use

- Using the instrument without instruction
- Using outside the stated limits
- Deactivation of safety systems and removal of explanatory and hazard labels.
- Opening of the equipment by using tools (screwdrivers, etc.) as far as not specifically permitted for certain cases
- Carrying out modification or conversion of the product
- Use after misappropriation

Life of the appliance 36 months.
CONDROL reserves the right to make changes to the design and assembly of the device without prior notice.
www.condrol.com

NOTES**NOTES**