

LaserRangeMaster Pocket



DE 04

GB 09

NL 14

DK 19

FR 24

ES 29

IT 34

PL 39

FI

PT

SE

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TR

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EE

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Laserliner[®]
Innovation in Tools

Technische Daten: (Technische Änderungen vorbehalten 11.2008)

Messbereich innen	0,3 m - 30 m
Genauigkeit	± 3 mm
Laserklasse	2
Laser Wellenlänge	635 nm
Stromversorgung	4 x AAA 1,5 Volt Batterien
Abmessungen	112 x 59 x 35 mm
Gewicht	190 g
Auto Abschaltung	20 sek Laser / 5 min Gerät
Arbeitstemperatur	0°C – 40°C
Lagertemperatur	-20°C – 70°C
Artikelnummer	080.942A



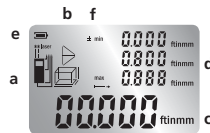
Laserstrahlung!
Nicht in den Strahl blicken!
Laser Klasse 2
< 1 mW · 635 nm
EN 60825-1:2007-10

Fehlercode:

- Err001: Umgebungslicht zu hell
- Err002: Zielpunkt ist zu weit entfernt.
- Err003: Ziel zu dunkel bzw. Umgebungslicht zu stark. Benutzen Sie zur Messung ein reflektierendes Material.
- Err004: Temperatur ist zu hoch: > 40°C.
- Err005: Temperatur ist zu niedrig: < 0°C
- Err006: Batterien austauschen
- Err007: Zu schnelle Bewegung des Messgerätes bei der Messung
- Err008: Fehler Pythagoras Parameter: Die Hypotenuse ist kürzer als eine Seite von dem rechtwinkligen Dreieck.

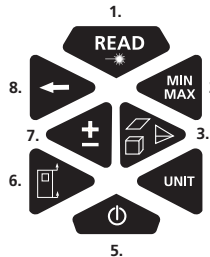
Garantieerklärung:

Die Garantiezeit beträgt 2 Jahre ab Kaufdatum. Von der Garantie sind ausgenommen: Schäden, die auf unsachgemäßen Gebrauch oder falscher Lagerung zurückzuführen sind, normaler Verschleiß und Mängel, die den Wert oder die Gebrauchstauglichkeit nur unerheblich beeinflussen. Bei Eingriffen nicht von uns autorisierter Stellen erlischt die Garantie. Im Garantiefall geben Sie bitte das vollständige Gerät mit allen Informationen, sowie Rechnung einem unserer Händler oder senden Sie es an Umarex-Laserliner.



DISPLAY:

- a Measurement point (reference) rear / tripod / front / pin
- b Display length, area / volume / Pythagoras 1 / Pythagoras 2
- c Measurement values / Measurement results Unit m/mm/ft/inch
- d Intermediate values / min/max values
- e Battery symbol
- f min / max measurement



KEYPAD:

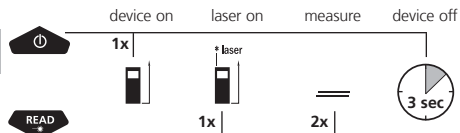
- 1. Measure / Continuous measurement
- 2. min / max continuous measurement
- 3. length, area, volume, Pythagoras
- 4. Unit of measure m/mm/ft/inch
- 5. ON/OFF
- 6. Measurement point (reference) rear / tripod / front / pin
- 7. addition / subtraction of lengths, areas, volumes
- 8. delete last measurement values

Important notices:

- **Caution:** Do not look directly into the beam. Lasers must be kept out of reach of children. Never intentionally aim the device at people.
- The laser points to the location that will be measured. No objects may get into the laser's line of measurement.
- The device compensates the measurement for different room temperatures. Therefore allow the device a brief adaptation period when changing locations with large temperature differences.
- The device is only conditionally useable in outdoor areas and cannot be used in strong sunlight.
- The device cannot be used in strong sunlight.
- The measurement results of outdoor measurements may be influenced or falsified by rain, fog and snow.
- In unfavourable conditions, e.g. with poorly reflecting surfaces, the maximum deviation may be greater than 3 mm.
- Carpeting, upholstery or curtains will not reflect the laser optimally. Measure to flat surfaces.
- Measurements made through glass (window panes) can falsify measurement results.
- An energy-saving function switches the device off automatically.
- Clean with a soft cloth. Water may not be allowed to penetrate the housing.

Continuous measurement: Use the ON/OFF button (5) to turn the device on and press the READ button (1) for about 4 seconds. The device now measures continuously and displays the smallest value (min), the largest value (max) and the current value. Another brief press of the READ button (1) will interrupt continuous measurement or restart it again.

Switch on, measure and switch off:



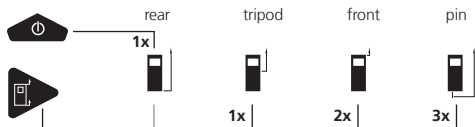
Change unit of measure:
m / mm / ft / inch



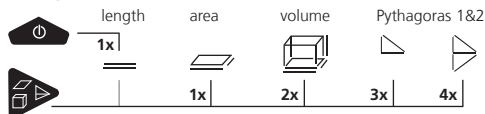
Delete the last measured value:



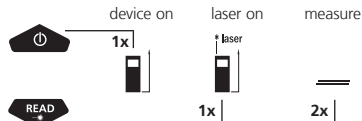
Change measurement point (reference):



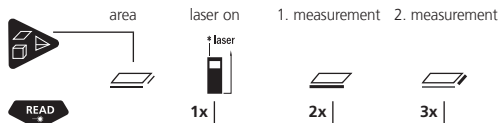
Change measurement function:



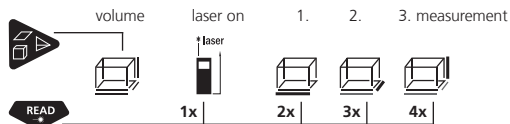
Length measurement:



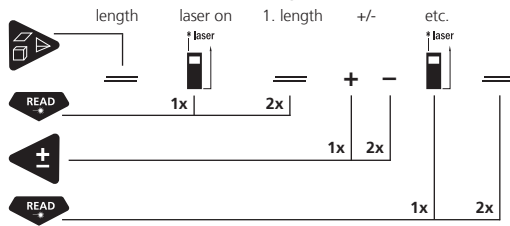
Area measurement:



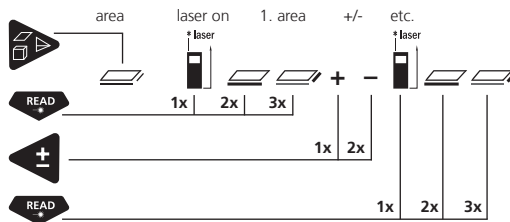
Volume measurement:



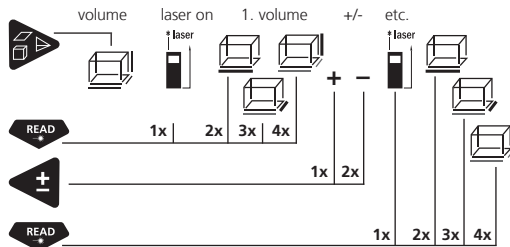
Addition and subtraction of lengths:



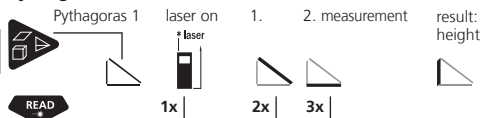
Area calculation:



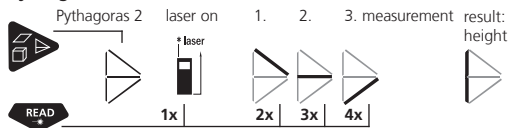
Volume calculation:



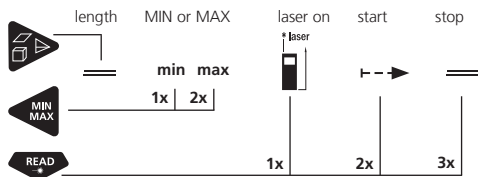
Pythagoras function 1:



Pythagoras function 2:

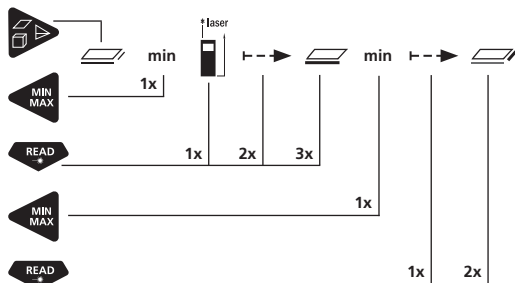


MIN / MAX function:



Note: The MIN / MAX function can be used to find the shortest or longest distance. MIN is used to determine verticals and horizontal, MAX is used to determine diagonals. This function can also be used for area and volume measurements as well as for the Pythagoras function (see example below).

Example: MIN / MAX function for areas:



Technical data: (Subject to technical change without notice 11.2008)

Inside measurement range	0,3 m - 30 m
Accuracy	± 3 mm
Laser class	2
Laser wavelength	635 nm
Power supply	4 x AAA 1,5 Volt batteries
Dimensions	112 x 59 x 35 mm
Weight	190 g
Auto switch-off	20 s for laser / 5 min for device
Operating temperature	0°C – 40°C
Storage temperature	-20°C – 70°C
Article number	080.942A



Laser radiation!
Do not stare into the beam!
Class 2 laser
< 1 mW · 635 nm
EN 60825-1:2007-10

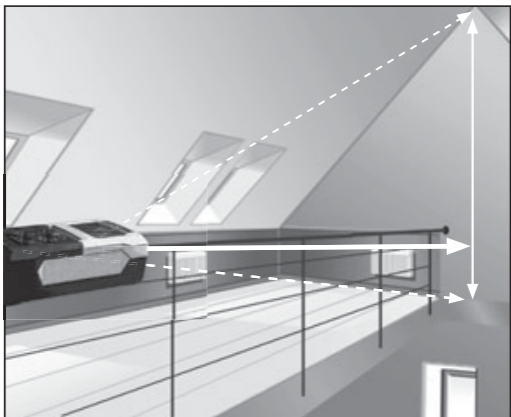
Error codes:

- Err001: Too much ambient light.
- Err002: The target is too far away.
- Err003: Target is too dark or too much ambient light.
Use a reflecting material as target for the measurement.
- Err004: Temperature is too high: > 40 °C.
- Err005: Temperature is too low: < 0 °C
- Err006: Replace the battery.
- Err007: The device is moving too much to measure.
- Err008: Pythagoras parameter error: The hypotenuse is shorter as one side of a right triangle.

Warranty:

The warranty period is 2 years from the date of purchase. The warranty covers all material or manufacturing defects occurring during this time. The following are excluded from warranty: Damage due to improper use (e.g. operation with wrong type of current/voltage, connection to unsuitable power source, fall onto hard surface, etc.) or improper storage, normal wear and tear, and defects which only insignificantly impair the value or suitability for use. Any tampering by unauthorised persons will render this warranty void. In the event that you need to claim warranty, please take the complete device together with all information and the invoice to one of our dealers or send it in to Umarex-Laserliner.

LaserRangeMaster Pocket



SERVICE



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