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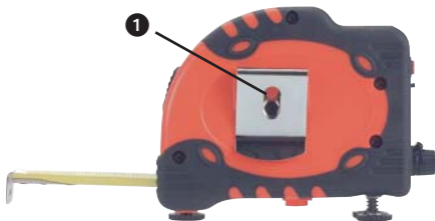
ID-Nr.: KH3229-09/06-V2



GB **Measuring Tape with Marking**

IRL **Laser KH 3229**

Operating instructions



Measuring Tape with Marking Laser


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Measuring Tape with Marking Laser KH3229

Safety instructions

Injury Hazard!

- Do not allow the measuring tape to rewind itself without control.
- NEVER leave children unsupervised with the measuring tape.

 The appliance contains a Class 2 laser. NEVER direct the laser beam at people or animals. NEVER look directly into the laser. The laser can cause serious eye damage.

- Do NOT direct the laser beam at strongly reflective material. Reflected laser beams are also dangerous.

Intended Usage

The Measuring Tape with Marking Laser serves for the measuring of lengths. Additionally, a horizontal or a vertical line can be projected. The Measuring Tape with Marking Laser is intended for private domestic use only, do not use it for commercial purposes.

Items supplied

Measuring Tape with Marking Laser
3 Button batteries LR44
Operating instructions

Description of the appliance

- 1 Trouser clip
- 2 Tape lock
- 3 Measuring tape
- 4 Foot screw
- 5 Vertical spirit level
- 6 Horizontal spirit level
- 7 Foot screws
- 8 Tripod thread
- 9 Laser diode with covering flap
- 10 Battery compartment
- 11 On/Off switch

Technical data

Measurement accuracy :

Horizontally 0,5 mm / m

Vertically 2 mm / 3 m

Laser class: II

Wave length: 650 nm

Batteries : 3x LR44
Button
batteries

Measuring tape: 7,5 m

Inserting the batteries

- Open the battery compartment 10.
- Ensure that the tape used to remove the batteries lies underneath the batteries.

- Insert the batteries into the battery compartment as shown on the battery compartment lid 10.
 - Close the battery compartment lid.
-

Using the measuring tape

With the measuring tape you can read off measurements of length in the metric system or in the Anglo/American system. The upper scale shows lengths in feet and inches, the lower scale in meters and centimeters.

- Pull out the measuring tape 3 to the length required.

- Restrain the measuring tape ③, in that you slide the tape lock ② downwards.

⚠ Injury hazard!

Never allow the measuring tape ③ to rewind itself without control.

- When you want to rewind the measuring tape ③, hold the end firmly and slide the tape lock ② upwards.
- Now permit the measuring tape ③ to rewind slowly, without letting go of it.

Using the laser

Injury Hazard!

- NEVER direct the laser beam at people or animals. NEVER look directly into the laser. The laser can cause serious eye damage.
- Do NOT direct the laser beam at strongly reflective material. Reflected laser beams are also dangerous.

Using the laser with a tripod

The tripod is not supplied. You can use a standard commercial tripod with a 3/8" thread (for example, a camera tripod).

- Screw the measuring tape onto the tripod with the tripod thread **8**.
- Adjust the tripod to the required height.
- Align the Measuring Tape with Marking Laser such that the bubbles in the spirit levels **5** and **6** lie exactly between the markings. Tilt and incline the tripod to do this.
- Press the On/Off switch **11** to activate the laser.
- Turn the covering flap **9** all the way to the left or right, dependant on whether you wish to project a vertical or a horizontal line.

- Direct the laser line onto the desired wall.

If you direct the laser beam in horizontal adjustment into a corner, the laser beams on both walls and in the corner are at exactly the same distance from the floor (see Fig.2: 3 Point measurement).

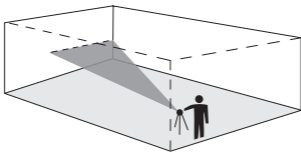


Fig. 1: Horizontal measurement

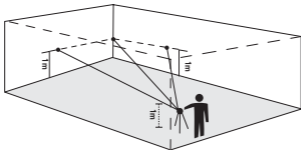


Fig. 2: 3 Point measurement

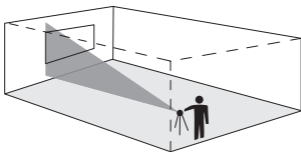


Fig. 3: Vertical measurement

Using the laser without a tripod

- Place the Measuring Tape with Marking Laser on the levellest possible surface.

- Press the On/Off switch ⑪ to activate the laser.
- Adjust the Measuring Tape with Marking Laser, with the assistance of the foot screws ⑦, such that the bubbles in the spirit levels ⑤ and ⑥ lie exactly between the markings. If you screw out the foot screw ⑦ a little further, you can project the laser line somewhat higher.
- Direct the laser line onto the desired wall.
- Turn the covering flap ⑨ all the way to the left or right, dependant on whether you wish to project a vertical or a horizontal line.

Cleaning and Care

- Clean the appliance with a lightly moist cloth. Never use aggressive cleansers. They can damage the surfaces.
- Do not permit fluids to permeate into the interior of the appliance.

Disposal



Do not dispose of the appliance in your normal domestic waste.

Dispose of the appliance through an approved disposal centre or at your community waste facility.

Observe the currently applicable regulations. In case of doubt, consult your local disposal facility.

Disposing of batteries!

Batteries must not be disposed of in the household waste. Every consumer is legally obliged to dispose of batteries at a collection site of his community/city district or at a retail store.

This obligation is intended to ensure that batteries are disposed of in an environmentally safe fashion. Only dispose of batteries when they are fully discharged.

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