

Product and Safety Information

Rotary laser hedue Q1 in large case
Article No. R144



Guarantee of measurement accuracy

We have established a high quality standard in our production in order to guarantee the measuring accuracy specified in the product description. Nevertheless, we recommend that you check the measuring accuracy regularly, especially after intensive use or shocks. This way you can be sure that the device continues to work accurately. Please refer to the instructions published on our website for checking the measuring accuracy of the various measuring tools.

Small parts and choking hazard

The product contains small parts that can come loose and be swallowed. Our tools are intended for professional use and not for children. Therefore, keep the products out of the reach of children.

Laser radiation and safety precautions

General safety instructions:

- **Protect your eyes:** Laser beams can cause permanent damage to eyesight. Do not look directly into the laser beam and avoid reflections, especially outdoors, as surfaces such as glass can produce uncontrolled reflections.
- **Distinguish between laser protection and laser safety goggles:** Do not use laser safety goggles as laser protection. Laser safety goggles only improve the visibility of the beam, but do not offer any protection against laser radiation. Laser safety goggles should be used when working with powerful lasers.
- **Safe working and maintenance:** Maintenance work, such as opening housings, may only be carried out by qualified personnel, as the laser radiation inside a device can be significantly stronger.
- **Use the recommended safety measures:** For all work in areas with laser class 3R, controlled environments, such as enclosed spaces, are preferable to ensure an increased level of safety.

Measuring devices with laser radiation, such as rotation lasers, line lasers and positioning lasers, are subject to the safety requirements of the DIN EN 60825-1 standard. Most of our laser devices are classified in laser classes **2** or **3R**, which entail different requirements for safe use:

Laser class 2

The laser radiation in this class is low and the eye is protected by natural defense reactions in the event of brief contact. **However, direct, prolonged viewing of the beam should be avoided.**

Laser class 3R

Laser radiation in class 3R is more intense and can be harmful when looking directly into the beam. These devices should only be used in controlled environments where access is restricted to trained personnel, e.g. in workshops or enclosed spaces.

Please follow all instructions for safe use to minimize the risk of injury.

User note

This product is a measuring device or accessory to a measuring device and may only be used as intended by competent persons. Improper use can lead to injuries. Keep the product out of the reach of children.

Batteries and rechargeable batteries

General safety instructions for all rechargeable batteries and batteries

- **Never throw them into a fire:** Rechargeable batteries and batteries must not be thrown into a fire as they could explode or ignite.
- **Avoid contact with liquids:** Do not expose rechargeable batteries and batteries to moisture and avoid contact with liquids. If they become wet, do not continue to use them.
- **Keep out of reach of children:** Rechargeable batteries and batteries are **not toys** and should be kept out of the reach of children.
- **Safe storage:** Always store rechargeable batteries and batteries separately from metal objects to avoid short circuits. Use a fireproof and non-flammable surface.
- **Use suitable chargers:** Only charge rechargeable batteries with the chargers supplied to ensure optimum charging and safety.
- **Avoid unattended charging:** Do not leave rechargeable batteries unattended while charging.
- **Avoid deep discharge:** Charge rechargeable batteries regularly to prevent deep discharge and a shortened service life.
- **Disposal:** Rechargeable batteries and batteries must **not be disposed of with household waste**. Use suitable recycling containers and observe the appropriate recycling symbols for rechargeable batteries and batteries containing harmful substances such as **Cd** (cadmium), **Hg** (mercury) and **Pb** (lead).

Special instructions for NiMH batteries

- **Suitable charging conditions:** Only use chargers that are suitable for NiMH batteries to avoid overcharging.
- **Limited charging speed:** Charge NiMH batteries at a maximum of **1C** (1 times the capacity) to ensure a complete and safe charge.

Special instructions for lithium batteries

- **Harmful electrolytes:** Lithium batteries contain electrolytes that are harmful to health. Avoid direct contact. In the event of contact with the skin or eyes, rinse immediately with water and consult a doctor.
- **Avoid overheating:** Only use lithium batteries within the specified temperature limits and do not expose them to direct sunlight or high temperatures.



Manufacturer of high-quality measuring tools

Special instructions for batteries

- **Replacement by adults only:** Batteries should only be replaced by adults. Children should never play with batteries.
- **Do not mix batteries:** Never mix rechargeable batteries with disposable batteries or batteries of different capacities.
- **Observe correct polarity:** Observe the correct polarity when inserting batteries to avoid damage.
- **Dispose of defective batteries properly:** Defective batteries must be disposed of properly and in accordance with the applicable regulations.

Laser goggles are not safety goggles

Do not use laser safety goggles as protective goggles. The laser safety goggles improve the visibility of the laser beam, but do not protect against laser radiation.