



150.40.A

Congratulations!

On choosing this FUTECH instrument. FUTECH provides measuring instruments of precision and quality. Contributions from professional end users enable us to offer innovative, easy-to-use equipment.

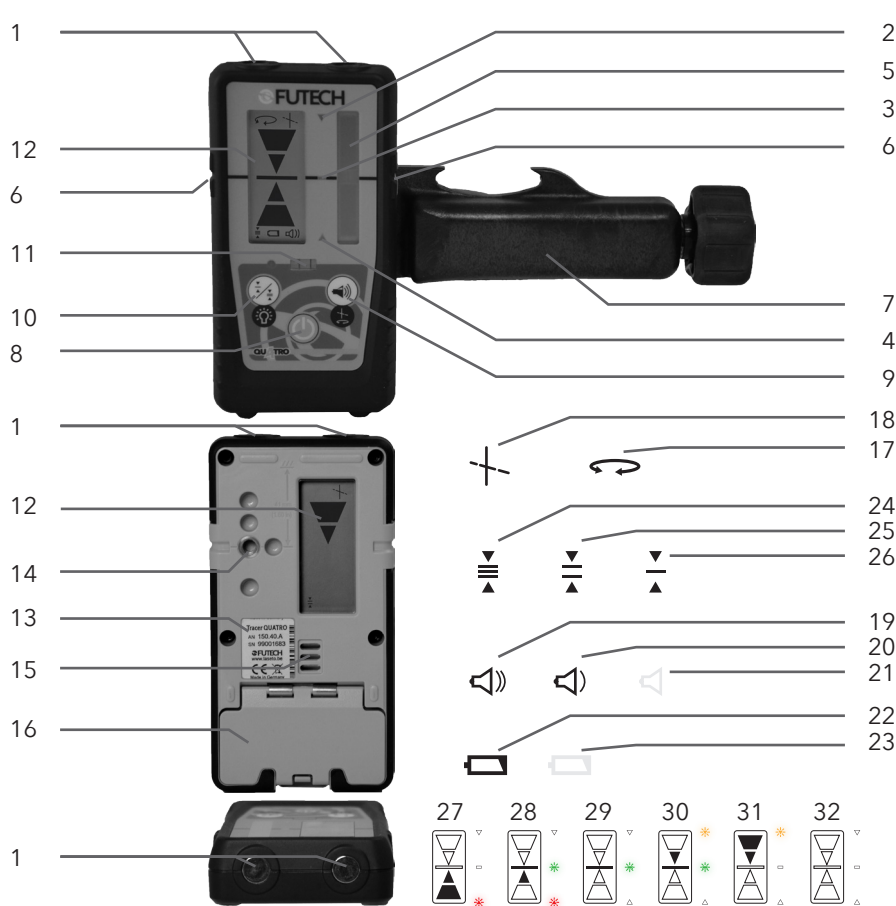
QUATRO

Laser receiver

IMPORTANT - SAFETY INSTRUCTIONS !

Read the instructions for use carefully before using the instrument. Keep them in a safe place for consultation when necessary. Whether on or off, keep the instrument out of reach of children. This equipment is a high quality precision instrument which must be handled with care. Avoid shocks and vibration. After use, always replace the instrument in its carrying bag. Make sure that the bag and instrument are dry; otherwise condensation may occur in the device. Make sure that the windows are free of dirt, and clean them using a soft cloth and a glass cleaning product only. Do not use any optical equipment such as a magnifying glass to view the laser beam, and take care to remove all reflecting objects to avoid damage to the eye. Locate the laser in such a way that it is not possible for any person to look at the laser beam (intentionally or otherwise). Under no circumstances take the instrument apart, since this may expose you to powerful laser radiation. The laser is only to be used for the projection of laser lines. Do not use the instrument in rain or near flammable materials. Technical modification or alterations to the instrument may be carried out without prior notice. The manufacturer's responsibility shall in no case exceed the value of the costs of repair or replacement of the instrument. Respect the environment and do NOT discard the instrument or batteries in household waste. Take them to a recycling centre.

- Only authorised and trained personnel are allowed to repair the device. Only use genuine spare parts from <name>. This ensures continuous device safety. Do not look directly into the laser beam. Laser receiver should not be used in the vicinity of pacemakers. The magnets produce a field which can affect the function of the pacemaker. Keep the laser receiver away from data media and devices that react sensitive to magnetic force. Exposure to magnets can result in irreversible data loss. Noise emission. The a-rated sound pressure level of the acoustic signal is >80 db (A) at a distance of one meter. Do not hold the laser receiver directly to your ear! Do not use the laser receiver in explosive atmospheres or near flammable liquids, gases or dust. The device may produce sparks that can ignite vapours or dust. Please remove the battery if the device is not in use for a prolonged period of time. Use only genuine <name> accessories. When using non-recommended accessories, you may receive incorrect measuring values.



1. Magnet
2. LED indicator (orange)
5. LED indicator (green)
3. LED indicator (red)
4. Laser-sensitive area
5. Laser-sensitive area
6. Marking notch
7. Clamp
8. On/Off
9. Volume / Operating mode
10. Accuracy / LED activation
11. Bubble vial
12. Display
7. Clamp
4. Laser-sensitive area
9. Volume / Operating mode
18. Accuracy / LED activation
17. Bubble vial
24. Display
25. Type plate with serial number
26. Fixing thread for the clamp
19. Beeper
20. Battery door and latch

Display

17. "Rotating laser" mode
18. "Line laser" mode
19. Beeper Volume High
20. Beeper Volume Low
21. Beeper Volume Off
22. Battery Low
23. Battery OK
24. Accuracy: Coarse, 3mm
25. Accuracy: Medium, 2mm
26. Accuracy: Fine, 1mm
27. Much too low / Fast interval tone
28. Too Low / Fast interval tone
29. On-grade / Continuous tone
30. Too high / Slow interval tone
31. Much too high / Slow interval tone
32. No laser / No tone

Depending on the selected operating mode, the receiver detects either the laser beams (red and green) of rotating lasers or the (horizontal or vertical) laser lines of line lasers with hand-held receiver function. Any other use than the described above shall be deemed to be improper use.

First use

Avoid violent shocks or dropping the unit.

Inserting / changing the battery

- Change the battery if the battery symbol (22) is displayed.
- Open the battery cover (16)
- Remove the battery and insert a new one (observe correct polarity)
- Dispose of the used battery (see chapter on environmental protection)

Operating

Switching the device on / off

Press the On / Off button (8)

Adjusting the volume

Press the volume button (9) briefly, if necessary repeated

- switches the beeper volume between High / Low / Off

Selecting the operating mode

Press the volume button (9) for at least 3 seconds.

- switches from rotating laser to line laser and vice versa

Adjusting the accuracy

Press the accuracy-button (10) briefly, if necessary repeated

- switches the accuracy of readings between Coarse / Medium / Fine

Activating / Deactivating the LEDs

Press the accuracy-button (10) for at least 3 seconds.

Operating

- Hold the device vertically (in case of a vertical laser plane: horizontally) and move it to the laserplane.
- Please pay attention to the acoustic signals and arrows on the (LED) display.

NOTE

- *When the device is switched on, it is in the operating mode used before it was switched off.*
- *If in line laser mode, the device detects only the line laser type which was first detected after the power on.*

Maintenance and Care

- Keep the device always clean, especially the laser-sensitive area!
- Do not use aggressive cleaning agents or solvents.
- If soiled heavily the device can be cleaned under running water.
- Do not use high-pressure cleaner.
- Allow it to dry completely before storing it in a closed container. Residual moisture can result in corrosion of the battery contacts. In this case our warranty expires.
- In the unlikely event of a failure or defect, have the appliance examined and repaired by Futech.
- In all your queries and spare part orders, always quote the serial number (see type plate) of your device.

GENERAL

Description

The following directions should enable the person responsible for the product, and the person who actually uses the equipment, to anticipate and avoid operational hazards. The person responsible for the product must ensure that all users understand these directions and adhere to them.

Adverse Use

- Use of the product without instruction.
- Use outside of the intended limits.
- Disabling safety systems.
- Removal of hazard notices.
- Opening the product using tools, for example screw- driver, unless this is specifically permitted for certain functions.
- Modification or conversion of the product.
- Use after misappropriation.
- Use of products with obviously recognizable damages or defects.
- Use with accessories from other manufacturers without the prior explicit approval of FUTECH.
- Inadequate safeguards at the work site, for example when using on or near roads.
- Deliberate dazzling of third parties.
- Controlling of machines, moving ob-

jects or similar monitoring application without additional control and safety installations.

WARNING

Adverse use can lead to injury, malfunction and damage. It is the task of the person responsible for the equipment to inform the user about hazards and how to counteract them. The product is not to be operated until the user has been instructed on how to work with it.

LIMITS OF USE

Environment

Suitable for use in an atmosphere appropriate for permanent human habitation: not suitable for use in aggressive or explosive environments.

DANGER

Local safety authorities and safety experts must be contacted before working in hazardous areas, or in close proximity to electrical installations or similar situations by the person in charge of the product.

RESPONSIBILITIES

Manufacturer of the product

Laseto N.V., Belgium, BE0808.043.652, hereinafter referred to as FUTECH, is responsible for supplying the product, in-

cluding the user manual and original accessories, in a completely safe condition.

Manufacturers of non FUTECH accessories

The manufacturers of non FUTECH accessories for the product are responsible for developing, implementing and communicating safety concepts for their products, and are also responsible for the effectiveness of those safety concepts in combination with the FUTECH product.

Person in charge of the product

The person in charge of the product has the following duties:

- To understand the safety instructions on the product and the instructions in the user manual.
- To be familiar with local regulations relating to safety and accident prevention.
- To inform FUTECH immediately if the product and the application becomes unsafe.

HAZARDS OF USE

WARNINGS

- The person responsible for the product must ensure that it is used in accordance with the instructions. This person is also accountable for the training and the deployment of personnel who use the product and for the safety of the equipment in use.
- The absence of instruction, or the inadequate imparting of instruction, can lead to incorrect or adverse use, and can give rise to accidents with far-reaching human, material, financial and environmental consequences.
- All users must follow the safety directions given by the manufacturer and the directions of the person responsible for the product.
- Watch out for erroneous measurement results if the product has been dropped or has been misused, modified, stored for long periods or transported.
- Periodically carry out test measurements and perform the field adjustments indicated in the user manual, particularly after the product has been subjected to abnormal use and before and after important measurements.
- If the product is used with accessories, for example masts, staffs, poles, you may increase the risk of being struck by lightning.
- Do not use the product in a thunderstorm.
- Inadequate securing of the working site can lead to dangerous situations, for example in traffic, on building sites, and at industrial installations.
- Always ensure that the working site is adequately secured. Adhere to the regulations governing safety and accident prevention and road traffic.
- If the accessories used with the product are not properly secured and the product is subjected to mechanical shock, for example blows or falling, the product may be damaged or people may sustain injury.
- When setting-up the product, make sure that the accessories are correctly adapted, fitted, secured, and locked in position. Avoid subjecting the product to mechanical stress.
- During the transport, shipping or disposal of batteries it is possible for inappropriate mechanical influences to constitute a fire hazard.
- Before shipping the product or disposing of it, discharge the batteries by running the product until they are flat. When transporting or shipping batteries, the person in charge of the product must ensure that the applicable national and international rules and regulations are observed. Before transportation or shipping contact your local passenger or freight transport company.
- High mechanical stress, high ambient temperatures or immersion into fluids can cause leakage, fire or explosions of the batteries.
- Protect the batteries from mechanical influences and high ambient temperatures. Do not drop or immerse batteries into fluids.
- Short circuited battery terminals can overheat and cause injury or fire, for example by storing or transporting in pockets if battery terminals come in contact with jewellery, keys, metallized paper or other metals.
- Make sure that the battery terminals do not come into contact with metallic objects.
- During the operation of the product there is a hazard of squeezing extremities by moving parts.
- Keep extremities in a safe distance from the moving parts. If the product is improperly disposed of, the following can happen: If polymer parts are burnt, poisonous gases are produced which may impair health. If batteries are damaged or are heated strongly, they can explode and cause poisoning, burning, corrosion

or environmental contamination. By disposing of the product irresponsibly you may enable unauthorized persons to use it in contravention of the regulations, exposing themselves and third parties to the risk of severe injury and rendering the environment liable to contamination.

- The product must not be disposed with household waste. Dispose of the product appropriately in accordance with the national regulations in force in your country.

DECLARATION OF CONFORMITY

We herewith declare that this product conforms with the following standards and directives:

Standards

DIN EN 61000-6-1

DIN EN 61000-6-3

in accordance with the regulations stipulated in the directives:

EC Directive

2004/108/EG

2006/95/EG

Technical changes reserved.

We accept no liability for printing errors.

TECHNICAL SPECIFICATIONS

SUITABLE LASERS	RED & GREEN / ROTATING & CROSS-LINE
MAXIMUM RANGE	CROSS-LINE: 60M ROTATING: 200M
HEIGHT OF RECEPTION FIELD	60MM
FRONT INDICATOR	LCD + LED
REAR INDICATOR	LCD
DISTANCE TO LASER INDICATOR (IN MM)	NO
SUITABLE LASER FREQUENCIES (IN RECEIVER MODE)	5-10KHZ
ACCURACY	1-2-3 MM
PROTECTION	IP67
DIMENSIONS	64 X 205 X 130 MM
WEIGHT	0,35 (0,53 WITH ACCESSORIES)

