

# TITANIUM

**TCL-1XR Kit**  
RED CROSSLINE LASER

Product Code: 88310

REVISION 2020.1.0



## Instruction Manual



Read the following safety instructions before attempting to operate this tool.

Keep these instructions in a safe place or store in the carry pouch for future reference.

## SAVE ALL WARNINGS & INSTRUCTIONS FOR FUTURE REFERENCE.



### **WARNING! Read and understand all instructions.**

- Use the tool only with the specifically designated batteries.
- Store the tool out of reach of children and other untrained persons. Laser tools are dangerous in the hands of untrained users.
- Use only accessories that are recommended for your model.
- Tool service must be performed only by qualified repair personnel. Repairs, service or maintenance performed by unqualified personnel will void the warranty. Only approved and authorised service technicians can carry out warranty repairs.
- Do not use optical tools such as a telescope or transit to view the laser beam. Serious eye injury could result.
- Do not place the tool in a position which may cause anyone to intentionally or unintentionally stare into the laser beam. Serious eye injury could result.
- Do not position the tool near a reflective surface which may reflect the laser beam toward anyone's eyes. Serious eye injury could result.
- Do not set up the tool at a position where the laser beam can cross any person at head height.
- Do not let children come in contact with the tool.
- Turn the tool off when it is not in use. Leaving the tool on increases the risk of staring into the laser beam.
- Do not operate the tool around children or allow children to operate the tool. Serious eye injury may result.
- Position the tool securely on a level surface. Damage to the laser or serious injury could result if the laser falls.
- Do not remove or deface warning labels.
- If the text on the warning label is not in your native language, cover it with the appropriate label supplied before commencing operation of the tool.



### **WARNING! Do Not Disassemble The Laser.**

There are no user serviceable parts inside. Disassembling the tool will void all warranties on the product. Do not modify the tool in any way. Modifying the tool may result in hazardous laser radiation exposure.



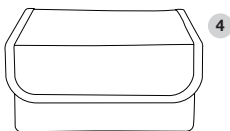
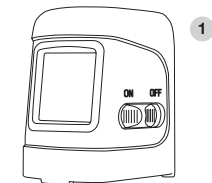
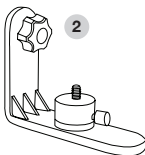
### **CAUTION! Class 2 Laser Product**

- Never look into the laser beam directly and intentionally.
- Do not use optical tools to view the laser beam.
- Do not set up the tool at a position where the laser beam can cross any person at head height.
- Do not let children come in contact with the laser.

## ITEM CHECKLIST

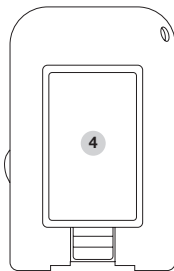
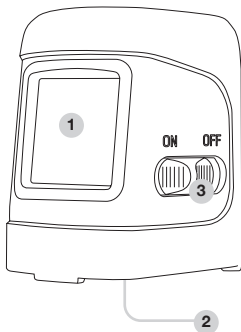
Please ensure the following items are included with your laser level. If anything is missing please contact your retailer.

- 1 Titanium TCL-1XR
- 2 Magnetic mount
- 3 AA alkaline batteries
- 4 Carry pouch



## LASER OVERVIEW

- 1 Laser port
- 2 1/4" tripod thread
- 3 Power switch
- 4 Battery cover door

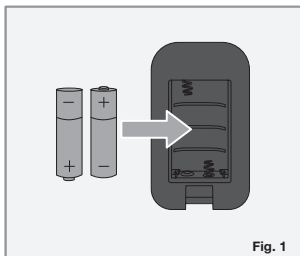


## POWER SUPPLY

- The laser level is powered by two AA alkaline batteries.

## BATTERY REPLACEMENT

- Remove the **battery cover door** and the batteries.
- Insert the batteries according to polarity and replace the **battery cover door** (Fig. 1).



## SET UP

- Select a place as close as practical to the work site. Ensure the location is clear of traffic.
- Place the laser level on a level surface such as a bench or mount.

## OPERATION

- To turn the laser level on, slide the **power switch** to the “on” position. Self levelling will commence and all the beams will activate.
- If the laser level is outside the self levelling range the laser beam will turn off. If this occurs, reposition the laser level onto a level surface until the laser level can level off and laser beams will reactivate.

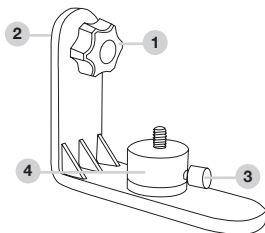
- i** The laser diode is visible up to 20m indoors in ideal light conditions. Operating range will be significantly reduced under very bright outdoor conditions.

- To turn the laser level off, slide the power switch to the ‘off’ position. Always turn the laser level off before moving the laser level around the job site.

## MAGNETIC MOUNT

### MAGNETIC MOUNT OVERVIEW

- 1 Thumb screw
- 2 1/4" thread
- 3 Mini thumb screw
- 4 1/4" thread adaptor



## USING THE MAGNETIC MOUNT

### Mounting onto a magnetic surface

- Attach the laser level to the mount using the *thumb screw*.
- Attach the mount to a metal surface, ensuring that the mount has a strong hold before releasing your hands (Fig. 2).
- To rotate the laser level on the mount, loosen the *thumb screw*, position the laser level, and then re-tighten the *thumb screw*.

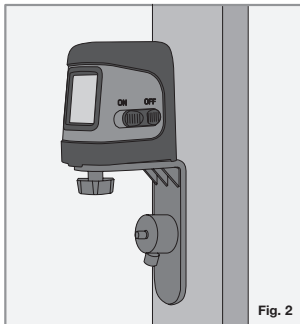


Fig. 2

## CARE & MAINTENANCE

1. This is a precision measuring tool and should always be handled with care and transported within the carry pouch provided.
2. Always turn the tool off when transporting the laser level or moving around the job site.
3. Whenever possible, store the tool in a dry, shady location.
4. When the tool is not in use or is being stored, it is highly recommended to remove the batteries.
5. Calibration of the tool is recommended: every six months, if ongoing accurate levelling is required, or an impact has occurred.
6. The operator should check the accuracy of the tool before precision levelling is attempted. Failure to do so may result in inaccurate measurements.
7. Clean the tool with a dry, soft cloth after use in dusty, damp or wet conditions before storing.
8. Smudges and fingerprints may be removed with a damp tissue or a soft, lint-free cloth.

All Titanium measurement tools are carefully checked and tested to our precise quality assurance standards.

We offer a warranty in accordance with the following conditions:

1. Our warranty provides the correction of deficiencies to the tool once verified by an authorised service centre that the deficiencies were caused by a manufacturing fault within the warranty period.
2. The standard warranty period is 3 years from the date of purchase. The warranty period can be extended to 7 years upon registration of the tool within 30 days of purchase.
3. The warranty does not cover:
  - a) Calibrations and components that are subject to wear and tear.
  - b) Defects in the tool caused by non-compliance with the operation instructions, improper use, abnormal environmental conditions, inappropriate operating conditions or insufficient maintenance.
  - c) Defects caused by using accessories or spare parts other than approved parts.
  - d) Services or repairs carried out by non-authorised persons.
4. Defects recognised by an authorised service centre as being covered by the warranty shall be corrected either by repair or replacement of the tool.
5. The warranty claim must be lodged within the warranty period. This requires the complete tool with the original sales receipt containing the purchase date and place of purchase. Partial or disassembled tools cannot be submitted for a warranty claim.
6. Services provided under warranty do not lengthen or renew the warranty of the tool.

The above guarantees apply to tools that are purchased in the countries and regions specified online at [www.titaniumlaser.tools](http://www.titaniumlaser.tools)

**3 YEAR STANDARD  
WARRANTY PERIOD**

1. The warranty period for your tool is 3 years from the date of purchase.
2. The warranty period for batteries, battery packs and chargers is 1 year from the date of purchase.
3. Calibrations are not covered under warranty as they are deemed wear and tear.
4. All products have a standard warranty period, you do not have to register your products to obtain the standard warranty period.
5. To claim under this warranty, the date of purchase of the tool must be documented by an invoice/receipt.

**7 YEAR EXTENDED  
WARRANTY PERIOD**

1. The extended warranty is available on selected tools only.
2. You may extend the warranty period for your tool (laser level, optical level or laser distance measurer) to 7 years from the date of purchase. Accessories are excluded from the warranty extension and remain at the 3 year warranty period.
3. The warranty period for batteries, battery packs and chargers is 1 year from the date of purchase.
4. Calibrations are not covered under warranty as they are deemed wear and tear.
5. To obtain the extended warranty, the registration process must be completed within 30 days from the date of purchase.
6. Failure to register your product online and/or submission of a valid invoice/receipt will void the warranty extension.
7. Please ensure ALL information submitted/uploaded is correct.

Extended warranty is ONLY available via online registration, offline (mailing in of warranty registration) will not be accepted.

Visit [www.titaniumlaser.tools](http://www.titaniumlaser.tools) to register.



Error	Cause & Solution
<b>Laser does not turn on</b>	<ul style="list-style-type: none"><li>• Check the batteries. They may be in the wrong way or need replacing.</li><li>• Check the battery compartment for signs of damage and ensure that the compartment is clean and that the battery terminals are not bent.</li></ul>
<b>Laser does not remain on for long periods of use</b>	<ul style="list-style-type: none"><li>• Check the batteries. They may need replacing.</li><li>• Check the battery compartment for signs of damage and ensure that the compartment is clean and that the battery terminals are not bent.</li></ul>
<b>Laser does not level off</b>	<ul style="list-style-type: none"><li>• The tool may be outside its self levelling range and may require an adjustment before self-levelling can commence.</li><li>• The tool may have impact damage.</li></ul>

## CUSTOMER SUPPORT

To assist you with any queries or technical questions please contact customer support.

**Australia:** 1300 658 338

**New Zealand:** 0800 367 527

**United Kingdom:** 0808 189 1152

**All other countries / regions:**

Visit [www.titaniumlaser.tools](http://www.titaniumlaser.tools) for more information

## EU DIRECTIVES AND DISPOSAL

This device complies with all necessary standards for the free movement of goods within the EU. This product is an electric device and must be collected separately for disposal according to the European Directive on waste electrical and electronic equipment.

## SPECIFICATIONS

Specifications	TCL-1XR
Product code	88310
Warranty	7 Years*
Accuracy	±2mm at 10m (±5/64in / 0.8in at 30ft)
Operating range	20m / 65ft (indoors)#
Levelling range	±4°
Laser class	2 Red
Battery life	8 hours
Battery type	2x 1.5v AA
Vertical lines	1
Horizontal lines	1
IP rating	54
Weight (kg)	0.34
Dimensions (mm)	90 x 60 x 85

\*With online registration (3 years without registration). Please refer to page 7-8 for details.

#The laser diode is visible up to 20m indoors in ideal light conditions.  
Operating range will be significantly reduced under very bright outdoor conditions.



**TITANIUM**

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