<table>
<thead>
<tr>
<th>Language</th>
<th>Translation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE</td>
<td>Gebrauchsanweisung</td>
</tr>
<tr>
<td>EN</td>
<td>Operating instructions</td>
</tr>
<tr>
<td>FR</td>
<td>Manuel d’instructions</td>
</tr>
<tr>
<td>IT</td>
<td>Instruzioni d’uso</td>
</tr>
<tr>
<td>ES</td>
<td>Instrucciones de uso</td>
</tr>
<tr>
<td>NL</td>
<td>Gebruiksaanwijzing</td>
</tr>
<tr>
<td>RU</td>
<td>Руководство по применению</td>
</tr>
<tr>
<td>PL</td>
<td>Instrukcja obsługi</td>
</tr>
<tr>
<td>LT</td>
<td>Eksploatacijos instrukcija</td>
</tr>
<tr>
<td>LV</td>
<td>Lietošanas instrukcija</td>
</tr>
<tr>
<td>SR</td>
<td>Uputstvo za upotrebu</td>
</tr>
<tr>
<td>CZ</td>
<td>Návod k použití</td>
</tr>
<tr>
<td>RO</td>
<td>Manual de utilizare</td>
</tr>
<tr>
<td>BG</td>
<td>Ръководство за употреба</td>
</tr>
<tr>
<td>HU</td>
<td>Használati útmutató</td>
</tr>
</tbody>
</table>
Scope of delivery for HORIZON GREEN BASIC

1. HORIZON line laser
2. Battery adapter BA
3. AA batteries
4. Operating manual CD
5. Wall bracket WH
6. Case
Scope of delivery for HORIZON GREEN PROFESSIONAL

1. HORIZON line laser
2. Battery adapter BA
3. AA batteries
4. Operating manual CD
5. Wall bracket WH
6. Compact tripod FST
7. Li-ion battery set 5.2
8. Case
HORIZON GREEN

1. Laser beam output aperture
2. On/off switch, transport lock
3. Tripod adapter ¼" and 5/8"
4. Battery compartment cover
SOLA Li-ion battery, charging station & charger

1. Li-ion battery 5.2
2. Battery contacts
3. Technical data/marks of conformity
4. Li-ion charging station
5. Li-ion charger
6. Charging cable
7. Operating display
8. Connection socket for country-specific plug
9. Release button for country-specific plug
10. Country-specific plug
HORIZON GREEN line laser operating manual

About this manual
Congratulations on the purchase of your new HORIZON GREEN! You have acquired a SOLA measurement instrument, which can make your work easier, faster and more precise. To utilize the complete functionality range of this measurement instrument, and to ensure a safe operation, please observe the following instructions:
• Please read this operating manual before starting to use the device.
• Always keep the operating manual near the device.
• Only hand over the device to other persons together with the operating manual.
• Never render the attached warning signs unreadable.

Contents
1. General information
2. Description
3. Technical data
4. Safety instructions
5. Laser safety / classification
6. Startup
7. Operation
8. Checking the accuracy
9. Maintenance, storage and transportation
10. Scope of delivery and accessories
11. Troubleshooting
12. Disposal
13. Warranty
14. EC conformity declaration
1. General information

1.1 Signal words and their meaning

**DANGER**
For an imminent danger that could lead to serious injury or death.

**WARNING**
For a possibly dangerous situation that could lead to serious injury or death.

**CAUTION**
For a possibly dangerous situation that could lead to slight injury or property damage.

**NOTE**
For application notes and other useful information

1.2 Pictograms and other information

1.2.1 Warning signs

- Warning of dangers in general

1.2.2 Symbole

- Read instructions before use
- Batteries and devices must not be disposed of with household waste
- Do not throw batteries into a fire
- Warning label on packages with Li-Ion batteries
- Warning signs on battery Do not heat the battery above 60 °C.
- Class 2M laser device
- Do not look into the laser beam!
2. Description

2.1 Device components, display and operating elements

2.1.1 HORIZON GREEN
1. Laser beam output aperture
2. On/off switch, transport lock
3. Tripod adapter ¼" and 5/8"
4. Battery compartment cover

2.1.2 SOLA Li-ion battery, charging station & charger
1. Li-ion battery 5.2
2. Battery contacts
3. Technical data/marks of conformity
4. Li-ion charging station
5. Charging port for Li-ion charger
6. Li-ion charger
7. Charging cable
8. Charger plug
9. Operating display
10. Connection socket for country-specific plug
11. Release button for country-specific plug
12. Country-specific plug

2.2 Intended use
The HORIZON GREEN is a line laser that enables a single person to level and align items horizontally and vertically.
The device is mainly intended for indoor use. For outdoor applications, it must be ensured that the ambient conditions are similar to those indoors.
The visibility range of the laser lines depends on the ambient conditions. In low light conditions or for long distances, the hand-held receiver can be used to locate the laser line position.
Follow the instructions contained in this manual. The device and accessory equipment may present a danger if they are utilised improperly or inappropriately by persons who are not instructed as required.
## 3. Technical data

### 3.1 HORIZON GREEN line laser

<table>
<thead>
<tr>
<th>Working range</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Laser lines</td>
<td>$r = 25\text{ m}^*$</td>
</tr>
<tr>
<td>- Receiver</td>
<td>$r = 80\text{ m}^*$</td>
</tr>
<tr>
<td>Max. measurement tolerance</td>
<td></td>
</tr>
<tr>
<td>- Laser lines</td>
<td>$\pm 0.2\text{ mm/m}$</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 54</td>
</tr>
<tr>
<td>Levelling range (typical)</td>
<td>$\pm 4^\circ$</td>
</tr>
<tr>
<td>Levelling time (typical)</td>
<td>$\leq 5\text{ s}$</td>
</tr>
<tr>
<td>Power supply</td>
<td>$3 \times 1.5\text{ V AA batteries/Li-ion battery 5.2}$</td>
</tr>
<tr>
<td>Battery life (at 20°C)</td>
<td></td>
</tr>
<tr>
<td>- AA batteries</td>
<td>4 h</td>
</tr>
<tr>
<td>- Li-ion battery 5.2</td>
<td>14 h</td>
</tr>
<tr>
<td>Permissible temperatures</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>$-10^\circ\text{C to } +50^\circ\text{C}$</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>$-20^\circ\text{C to } +60^\circ\text{C}$</td>
</tr>
<tr>
<td>Laser diode lines/points</td>
<td>512-520 nm $&lt; 1\text{ mW}$</td>
</tr>
<tr>
<td>Laser class</td>
<td>2M, DIN EN 60825-1 : 2014</td>
</tr>
<tr>
<td>Tripod adapter</td>
<td>$\frac{1}{4}^\text{“ and } 5/8^\text{“}$</td>
</tr>
<tr>
<td>Weight without batteries</td>
<td>450 g</td>
</tr>
<tr>
<td>Dimensions H x W x H</td>
<td>110 x 100 x 130 mm</td>
</tr>
</tbody>
</table>

*... depending on the ambient conditions in the workplace. Subject to modifications (drawings, descriptions and technical data).*

### 3.2 SOLA Li-Ion battery 5.2 (optional)

<table>
<thead>
<tr>
<th>Type</th>
<th>Li-Ion with circuit protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cells</td>
<td>$2 \times \text{ICR 18650 parallel}$</td>
</tr>
<tr>
<td>Capacity</td>
<td>$5200\text{ mAh}$</td>
</tr>
<tr>
<td>Voltage</td>
<td>$3.6\text{ V DC}$</td>
</tr>
<tr>
<td>Power</td>
<td>$28\text{ Wh}$</td>
</tr>
</tbody>
</table>
### Permissible temperatures

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>-10°C to +50°C</td>
</tr>
<tr>
<td>Storage temperature (ideal)</td>
<td>-20°C to +60°C (ideal +20°C to +25°C)</td>
</tr>
<tr>
<td>Charging temperature</td>
<td>0°C to +45°C (ideal +20°C to +25°C)</td>
</tr>
<tr>
<td>Humidity</td>
<td>65 ± 20%</td>
</tr>
<tr>
<td>Charging time</td>
<td>3 - 5 h</td>
</tr>
<tr>
<td>Weight</td>
<td>100 g</td>
</tr>
<tr>
<td>Dimensions</td>
<td>71 x 39 x 22 mm</td>
</tr>
</tbody>
</table>

### 3.3 SOLA charger LG Li-ion (optional)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal input voltage</td>
<td>100 - 240 V AC / 50 - 60 Hz</td>
</tr>
<tr>
<td>Nominal input current</td>
<td>0.4 A @ 100 V AC - 0.2 A @ 240 V AC under maximum load</td>
</tr>
<tr>
<td>Nominal input power</td>
<td>21 Wrms under maximum load</td>
</tr>
<tr>
<td>Output voltage</td>
<td>3.6 V DC</td>
</tr>
<tr>
<td>Charging current</td>
<td>3000 mA</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-10°C to +50°C</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP40</td>
</tr>
<tr>
<td>Power consumption during standby</td>
<td>≤ 0.3 W @ 100 V AC / ≤ 0.5 W @ 240 V AC</td>
</tr>
</tbody>
</table>
4. Safety instructions

4.1 AREA OF RESPONSIBILITY

4.1.1 Manufacturer
SOLA is responsible for the safe delivery condition of the product, including the operating manual and the original accessories.

4.1.2 Operator
The operator is responsible for using the product as intended, the deployment of personnel, their training and the operational safety of the product.
- The operator understands the safety information which is stated on the product and the instructions which are contained in the operating manual.
- The operator shall comply with local regulations relating to safety and accident prevention regulations as well as worker protection laws and regulations.
- The operator shall immediately notify SOLA if safety-related issues should develop on the product or during its utilization.
- The operator shall ensure that the product is not utilized any further if defects become evident, and he will have the product repaired professionally.

4.2 Improper Use
- Use of the device and the accessories without instruction.
- Use of third-party accessories or additional equipment.
- Use outside of the intended limits (see Chapter 3/Technical data).
- Use under extreme temperature fluctuations without an adequate acclimatization.
- Disabling of safety devices and removal of hazard notices and labels.
- Unauthorized opening of the device.
- Performance of modifications or alterations the device or the accessories.
- Deliberate blinding of third parties.
- Inadequate safeguarding at the installation site.

4.3 Utilization limitations
The HORIZON GREEN is suitable for a continuous use in an atmosphere which can be inhabited by humans.
- Do not operate the product in explosion-prone or corrosive environments.
- Inform the local safety authorities and safety experts before working in hazardous environments, in close proximity to electrical installations or similar surroundings.
4.4 Usage Hazards

4.4.1 General

⚠️ **WARNING**
Missing or incomplete instructions may result in improper or incorrect use. This can cause accidents with serious damages to persons, property, assets and the environment.

- Follow the manufacturer's and operator's safety instructions.
- Protect equipment and accessories from access by children.

⚠️ **WARNING**
Blinding by laser radiation can indirectly lead to serious accidents, especially for people who are driving a vehicle or operating machinery. Do not look into the laser beam.

- Do not set up the laser beam and the laser plane at eye level or aim at people.

⚠️ **CAUTION**
A fall, longer storage, transportation or other mechanical effects can lead to erroneous measurement results. Check the unit for damage before use. Do not use damaged equipment.

- Repairs have to be exclusively performed by SOLA
- Before use, check the accuracy of the device (see Chapter 8/Checking the accuracy)

4.4.2 Charger/batteries/rechargeable batteries

⚠️ **DANGER**
There is a risk of mortal danger from electric shock.

- Never open the SOLA Li-Ion battery charger or charging station.
- Only use the SOLA Li-Ion battery charger and charging station in dry places and do not bring them into contact with liquids.

⚠️ **DANGER**
Mechanical damage can lead to a leakage, fire or explosion of the batteries or trigger the release of toxic substances.
Batteries and rechargeable batteries may not be opened or exposed to mechanical loads.
Damaged batteries, chargers and charging stations may not be used.
Repairs have to be exclusively performed by SOLA.

**WARNING**
High ambient temperatures and immersion into liquids can cause a leakage, fire or explosion of the batteries or trigger the release of toxic substances.

Protect batteries and rechargeable batteries from mechanical damage during transport.
Never store the Li-Ion battery in the sun, on radiators or behind glass windows.
Do not overheat batteries and rechargeable batteries or expose them to fire.
Avoid the ingress of moisture into batteries and rechargeable batteries.
Do not use damaged batteries or rechargeable batteries. Dispose of properly.(see Chapter 12/Disposal).

**WARNING**
A short-circuiting or unintended use can cause batteries to overheat and create an injury or fire hazard.

Do not transport or store batteries in the pockets of garments.
Do not bring the battery contacts in contact with jewelery, keys, or other electrically conductive objects.
Do not charge non-rechargeable batteries
Do not discharge the batteries through short-circuiting.
Do not solder the batteries within the device.
Do not mix old and new batteries, and do not mix batteries from different manufacturers or with a differing type designation.

**WARNING**
Using charging devices from other manufacturer’s can damage the Li-Ion batteries. This can lead to a fire and explosion hazard.

Only use original SOLA accessories.
WARNING
If disposed of improperly third parties can possibly be seriously injured and the environment polluted. The burning of plastic components generates toxic fumes which may impair the health of people. Batteries/rechargeable batteries may explode if they are damaged or heated excessively, and thereby cause poisoning, burning, corrosion or environmental contamination. If disposed of negligently unauthorized persons are able to use the product improperly.

- The product must not be disposed of together with household waste. Dispose of the device and accessories properly (see Chapter 12/Disposal).
- Protect the product at all times from access by unauthorized persons, and especially children.

4.5 ELECTROMAGNETIC COMPATIBILITY (EMC)
The electromagnetic compatibility is the ability of the product to function in an environment where electromagnetic radiation and electrostatic discharge are present, without causing electromagnetic interference to other devices.

4.5.1 Interference of other devices by HORIZON GREEN
Although the product meets the strict requirements of the relevant directives and standards, SOLA can not completely exclude the possibility of interference with other devices (for example, when using the product in combination with third-party devices, such as field computers, personal computers, wireless devices, mobile phones, certain cables or external batteries).
- When using computers and radio equipment make sure to observe the vendor-specific information about electromagnetic compatibility.
- Only use original SOLA equipment and accessories.

4.5.2 Interference of the HORIZON GREEN by other devices
Although the product meets the strict requirements of the relevant directives and standards, SOLA can not entirely exclude the possibility that intense electromagnetic radiation in the immediate vicinity of radio transmitters, two-way radios, diesel generators, etc. can distort the measurement results.
- When performing measurements under these conditions check the plausibility of the results.
5. LASER SAFETY/CLASSIFICATION

The HORIZON GREEN emits a horizontal 360° laser line and a vertical laser line. The product corresponds to Laser class 2M according to DIN EN 60825-1:2014

**Laser class 2M:**
With class 2M laser devices, eyes are protected by the blink reflex and/or the aversion responses in the event that a person accidentally looks at the laser for a short time.

![Laser Class 2M](image)

**WARNING**
Looking directly into the laser beam with optical aids (such as binoculars, telescopes) can be dangerous.

**WARNING**
Looking directly into the laser beam can damage the eyes.

- Do not look into the laser beam.
- Do not point the laser beam at other people.

**Labelling on the device:**

![Labelling](image)

See cover page for the position of the label.
- Do not remove the label!
6. Start-up

6.1 Operation with batteries

1. Open the battery compartment cover.
2. Insert batteries into the SOLA battery adapter, making sure that the polarity of the batteries is correct.
3. Insert the SOLA battery adapter in the correct position.
4. Close the battery compartment cover (audible click of the cover).

Use only 1.5v AA size (Mignon) batteries.
Remove the batteries if the instrument is not used for an extended period.

NOTE
The intensity of the laser lines can vary depending on the battery quality. The best visibility can be achieved with the SOLA Li-ion battery.

6.2 Operation with the SOLA Li-ion battery (optional)

1. Fully charge the battery with the SOLA Li-ion charger (see Chapter 7.2).
2. Open the battery compartment cover.
3. Insert the SOLA Li-ion battery in the correct position.
4. Close the battery compartment cover (audible click of the cover).

If the device is not used for a long period of time, remove the batteries and store in a dry place (see Chap. 9/Maintenance, storage and transport).
7. Operation

7.1 HORIZON GREEN

7.1.1 Turning on/off

On:
➢ Turn the on/off switch, transport lock to the right (ON position); the pendulum unit will be released.
   The device will emit all lines from the output aperture.
   The instrument will level itself automatically within the specified inclination range (see Chapter 3/Technical data).

Off:
➢ Turn the on/off switch, transport lock to the left (OFF position) and the pendulum unit will be locked; the laser lines will disappear.

NOTE
Magnets can affect the measurement instrument and lead to false results.

If the vertical laser line is not projected vertically to the wall or to the detection surface, uneven surfaces can lead to incorrect measurement results.
➢ Make sure that the vertical laser line is projected vertically to the wall or to the detection surface.

Severe temperature fluctuations can lead to incorrect measurement results.
➢ Before start-up, allow the device to acclimatise to the ambient conditions.

The laser lines will flash every 30 seconds when the battery capacity falls below 10%.
➢ Charge the battery in good time or prepare additional batteries or SOLA Li-ion replacement batteries.

7.1.2 PULSE-Mode
In order to be able to detect the laser lines at even greater distances or under adverse ambient conditions, the optional receiver REC LGD0 can be used. The Pulse mode required for the receiver is the standard mode on the HORIZON GREEN.

7.1.3 Creating inclinations beyond the range of automatic levelling
On:
➢ Turn the on/off switch, transport lock to the left (LOCK position). To indicate that the self-levelling is switched off, the lines will blink every 4 seconds.
Off:
➢ Turn the on/off switch, transport lock to the right (OFF position). The laser lines will disappear.

⚠️ **WARNING**
If the laser line is not projected vertically to the surface or the surface is uneven, this can lead to incorrect measurement results.

➢ Make sure that the laser line is projected vertically to the wall or to the detection surface.

### 7.2 SOLA Li-Ion battery, charging station & charger (optional)

The SOLA Li-ion battery must be completely charged prior to use.
➢ Plug the charger plug into the charging port of the Li-Ion Charger
➢ Connect the SOLA Li-ion charger to a socket.
➢ Insert the SOLA Li-ion battery in the charging station in the correct position.
➢ The charging process takes between 3 and 5 hours, depending on the state of charge and environmental conditions.
➢ The battery reaches its full capacity after a maximum of 10 charging cycles.
➢ The battery should, ideally, be fully charged at all times. The battery can also be removed from the charging station before completing the charging process, in urgent cases. The durability of the battery will not be negatively affected as a result of this (no “memory effect”).
Charger operating display:

<table>
<thead>
<tr>
<th>Colour</th>
<th>Display</th>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>yellow</td>
<td>green</td>
<td>Standby</td>
<td>No battery in the charger</td>
</tr>
<tr>
<td>yellow</td>
<td>green</td>
<td>Wait cycle</td>
<td>Battery temperature beyond the valid range</td>
</tr>
<tr>
<td>yellow</td>
<td>green</td>
<td>Pre-charge</td>
<td>Protective charging for deeply discharged batteries</td>
</tr>
<tr>
<td>yellow</td>
<td>green</td>
<td>Main charge</td>
<td>Rapid charging phase with max. Power up to 80 %</td>
</tr>
<tr>
<td>yellow</td>
<td>green</td>
<td>Recharging</td>
<td>Recharging between 80 – 100 %</td>
</tr>
<tr>
<td>yellow</td>
<td>green</td>
<td>Completed</td>
<td>Charging process completed, battery is 100 % charged</td>
</tr>
<tr>
<td>yellow</td>
<td>green</td>
<td>Error</td>
<td>Battery too hot/too cold, let it acclimatize and reinsert</td>
</tr>
</tbody>
</table>

Capacity Display:

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Display</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 %</td>
<td></td>
<td>Charging process completed</td>
</tr>
<tr>
<td>80 %</td>
<td></td>
<td>Recharging</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Main charge</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pre-charge</td>
</tr>
</tbody>
</table>
7.3 Applications

7.3.1 Horizontal levelling 360°

7.3.2 Vertical levelling

7.3.3 90° angle
7.3.4 Inclination

7.3.5 Working at distances
8. Checking the accuracy

Check the accuracy of the SOLA HORIZON GREEN before each measurement.
➤ Before starting the check, let the device acclimatise to the environmental conditions.

8.1 Checking the accuracy of the vertical line
➤ Attach a plumb line as close as possible to a (at least) 3 m high wall.
➤ Mount the HORIZON GREEN onto a tripod at a height of approx. 1.2 m.
➤ Position the device approx. 3 m in front of the plumb line.
➤ Switch on the HORIZON GREEN and project the vertical laser line onto the plumb line.

If the deviation is greater than 4 mm, the device must be readjusted. In this case, consult your dealer.

8.2 Checking the leveling accuracy of the horizontal line
1. Select two horizontal, flat walls (A & B), which are approx. 10 meters apart.
➤ Mount the HORIZON GREEN onto a tripod and position it at a distance of approx. 20 cm from wall A.
➤ Mark the intersecting point of the vertical and horizontal lines on wall A.
2. Rotate the HORIZON GREEN by 180° and mark point on wall B.
➤ Position the laser at the same height approx. 20 cm away from wall B and mark point on wall B.
3. Rotate the HORIZON GREEN by 180° and mark point on wall A.
➤ Measure the vertical distance of the marked points and the vertical spacing of the points .
➤ Mark the center point of and .
➤ If the reference points and are on different sides of the center point, must be subtracted from .
➤ If the reference points and are on the same side of the center point, must be added to .
Divide the results with twice the value of the room length.

If the result is greater than 4 mm, the device must be readjusted. For this, please consult your dealer.
9. Maintenance, storage and transportation

9.1 Cleaning

➢ Wipe off any dirt with a soft damp cloth.
➢ Check the outlet openings of the laser regularly, and thoroughly clean them if necessary. Do not touch the glass with your fingers.
➢ Do not use aggressive cleaning agents or solvents.
➢ Do not immerse the device into water!
➢ Clean and dry wet equipment, accessories and transport containers prior to packaging them. Only pack equipment again when it is completely dry.
➢ Keep plug connections clean and protected from moisture.

9.2 Storage

9.2.1 General

➢ The equipment may only be stored within the specified temperature limits (see Chapter 3/Technical data).
➢ After a prolonged storage, check the accuracy of the measuring device before using it.

9.2.2 Batteries/rechargeable batteries

➢ For storage, remove the batteries from the device or from the charging station.
➢ The storage should preferably be performed in a dry environment at room temperature (see Chapter 3/Technical data).
➢ Protect from moisture and humidity. Dry wet or damp batteries before storage or before use.
➢ Prior to a prolonged storage, charge the battery to 80% capacity (see Chapter 7/operation). Repeat the procedure every 6 months.
➢ After storage, fully charge the battery before use.
➢ Check the battery for damage before use. Do not use damaged batteries!

9.3 Transport

9.3.1 General

The device may be damaged by strong vibrations or by dropping.
Never transport the product loose. Always use the original packaging or an equivalent transport container.
➢ Switch off the measuring device before transporting it. During the shutdown the pendulum unit is locked in position and protected against damage.
➢ Check the unit for damage before use.
➢ Regularly check the accuracy of the device (see Chapter 8/Checking the accuracy).
9.3.2 Batteries/rechargeable batteries

When transporting or shipping batteries, the operator is responsible for complying with the applicable national and international laws and regulations.

➤ Before shipping, remove the batteries from the device.

Li-ion batteries fall under the jurisdiction governing hazardous goods, but they may be transported on the road by their operator without further stipulations. When shipping through third parties (e.g. forwarding agent or air freight) the special requirements regarding the packaging and labeling must be observed.

➤ Remove the battery from the device and ship it in its storage condition (80% capacity).

➤ Cover exposed contacts with tape.

➤ Package the battery in such a manner that it can not move around in the packaging, and that it can not be damaged by external influences.

➤ Further national and international regulations and any additional requirements as well as the stipulations of the respective transport company must be observed.
10. Scope of delivery and accessories

10.1 Scope of delivery for HORIZON GREEN BASIC
1 HORIZON GREEN line laser
1 Battery adapter BA
3 AA batteries
1 operating manual CD
1 Wall bracket WH
1 case

10.2 Scope of delivery for HORIZON GREEN PROFESSIONAL
1 HORIZON GREEN line laser
1 Battery adapter BA
3 AA batteries
1 operating manual CD
1 Wall bracket WH
1 Compact tripod FST
1 Li-ion battery set 5.2
1 case

10.3 ACCESSORIES (optional)
REC LGDO receiver

SOLA Li-ion battery set:
Li-ion battery 5.2
Li-ion charging station LST Li-ion
Li-ion charger LG Li-ion
Country-specific plug EU/UK LS-EU / LS-UK

Compact tripod FST
Telescopic tripod TST
Elevator tripod KST
Construction tripod BST
Clamp tripod KLST
Flexi-gauge FL
Measuring rod **ML 5**
Flexible wall bracket **FWH**
Magnetic bracket **MH**
Inclination wedge **NK1**
Thread adapter set **GA-SET**
Battery adapter **BA**
Motor vehicle adapter **CC**
Laser goggles, green **LB GREEN**
Magnetic target **ZS GREEN**

Further information regarding the accessories can be found at www.sola.at
## 11. Troubleshooting

<table>
<thead>
<tr>
<th>Errors</th>
<th>Possible cause</th>
<th>Rectification</th>
</tr>
</thead>
</table>
| The device turns itself off immediately after start-up | ✤ Battery flat | ✤ Replace battery  
  ✤ Charge battery |
| Laser lines flash at one-second intervals | ✤ Device not within the self-levelling range | ✤ Align device horizontally |
| Laser lines flash every 4 seconds | ✤ Device is in manual inclination mode | ✤ Turn the on/off switch, transport lock to the right (OFF position). |
| Laser lines flash every 30 seconds | ✤ Battery capacity below 10% | ✤ Replace batteries |
12. Disposal

If disposed of improperly third parties can possibly be seriously injured and the environment polluted. The burning of plastic components generates toxic fumes which may impair the health of people. Batteries/rechargeable batteries may explode if they are damaged or heated excessively, and thereby cause poisoning, burning, corrosion or environmental contamination. If disposed of negligently unauthorized persons may be able to use the product improperly.

Measuring tools, accessories and packaging must be recycled in an environmentally-friendly manner. The product as well as the accessories - especially the batteries and rechargeable batteries - must not be disposed of with household waste.

- Dispose of the device and the accessories properly
- Only dispose of batteries in a discharged state.
- Observe the country-specific disposal requirements.

Your SOLA dealership will take back batteries as well as old equipment, and will ensure proper disposal.

Only for EU countries

Electric tools must not be disposed of with household waste! According to the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment and its implementation in national law, no longer usable electrical and electronic equipment must be collected separately and recycled in an environmentally friendly manner.
13. Manufacturer’s Guarantee

The manufacturer warrants to the original purchaser stated on the guarantee card, freedom from defects of the device for a period of two years, with the exception of batteries, as of the point in time the device is handed over. The guarantee is limited to repairs and/or replacements at the manufacturer’s discretion. Defects which are caused through improper handling by the purchaser or third parties, natural wear and optical flaws that do not affect the usability of the equipment, are not covered by this guarantee. Claims under this guarantee can only be invoked if the device is submitted along with the guarantee card, completely filled out by the dealer, dated and provided with the company stamp. If the guarantee claim is justified, the manufacturer shall bear the transport costs. The duration of the guarantee will not be extended through repair or spare parts work which is carried out within the scope of the guarantee. Further claims are excluded, unless these are stipulated by the respective by the respective national legislation. In particular the manufacturer shall not be liable for any direct, indirect, incidental or consequential damages, losses or expenses in connection with the use or because of the inability to use the tool for any purpose whatsoever. Implied warranties for the usage or suitability for a particular purpose are expressly excluded.
14. EC conformity declaration

Wir / We / Nous SOLA-Messwerkzeuge GmbH, A-6840 Götzis, Austria erklären in alleiniger Verantwortung, dass das Produkt(e)
declare under our sole responsibility that the Product(s)
déclarons sous notre seule responsabilité que le(s) produit(s)

HORIZON GREEN
auf das sich diese Erklärung bezieht, mit den folgenden Normen übereinstimmt.
to which this declarations relates is in conformity with the following standards.
auquel(s) se réfère cette déclaration est conforme aux normes.

HORIZON GREEN:
• EN 61326-1: 2013
• EN 61326-2-2: 2013
• EN 61000-3-2: 2014
• EN 61000-3-3: 2013
• EN 60825-1: 2014

SOLA-Li-Ion-battery 5.2:
• EN 61000-6-1: 2007
• EN 61000-6-3: 2007 + A1:2011
• UN38.3

Li-Ion charging station:
• EN 60601-1: 01/2006
• EN 60335-2-26 06/2005
• EN 60335-1 11/2010
• EN 61000-6-3 09/2007
• EN 60601-1-2 10/2006
• EN 55022 05/2008
• EN 60601-1-2 10/2006
• EN 61000-6-2 03/2006
• EN 55014-1 06/2007
• EN 55014-2 06/2007

Gemäss den Bestimmungen der Richtlinie(n)
Following the provisions of Directive(s)
Conformément aux dispositions de(s) Directive(s)

Electromagnetic compatibility 2014/30/EU
Low Voltage Directive 2014/35/EU

SOLA-Messwerkzeuge GmbH

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Limited warranty HORIZON GREEN

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Firma / Company / Name

Adresse / address

Telefon / Telephone

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