

Crossline

SOLA 
PASSION FOR PRECISION

Gebrauchsanweisung
Operating instructions
Manuel d'instructions
Istruzioni d'uso
Instrucciones de uso
Gebruiksaanwijzing
Руководство по применению
Instrukcja obsługi
Eksploatacijos instrukcija
Lietošanas instrukcija
Uputstvo za upotrebu
Návod k použití
Manual de utilizare
Ръководство за употреба
Használati útmutató

DE
EN
FR
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CZ
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HU



Scope of delivery for CROSSLINE:

1. CROSSLINE line laser
2. Battery adapter BA
3. AA batteries
4. Operating manual CD
5. Case
6. magnetic holder MH

5.

1.

2.

3.

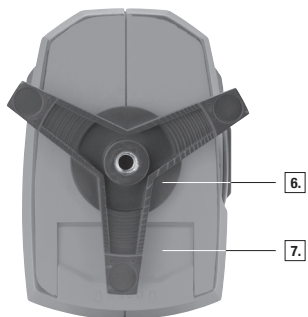
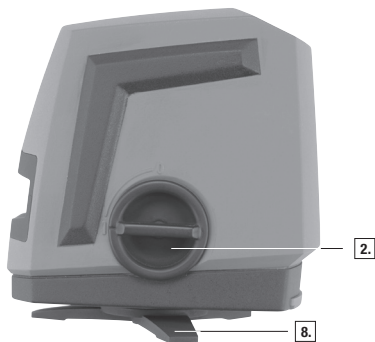
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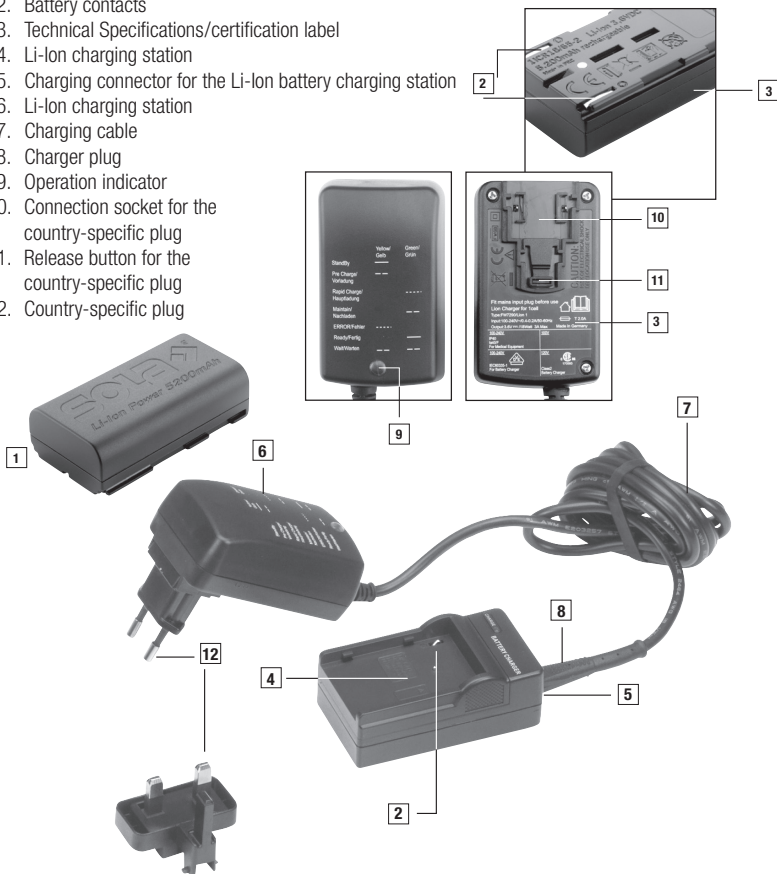
Crossline

1. Laser beam output aperture
2. On/off switch, transport lock
3. Status-/Battery voltage display «BATT-ON»
4. Operating modes button «MODE»
5. Operating mode status «PULSE»
6. Tripod adapter 1/4"
7. Battery compartment cover
8. Stand with rotatable foot



SOLA Li-ion Akku, Ladestation und Ladegerät (Optional)

1. Li-Ion battery SOLA-Li-Ion-Akku 5.2
2. Battery contacts
3. Technical Specifications/certification label
4. Li-Ion charging station
5. Charging connector for the Li-Ion battery charging station
6. Li-Ion charging station
7. Charging cable
8. Charger plug
9. Operation indicator
10. Connection socket for the country-specific plug
11. Release button for the country-specific plug
12. Country-specific plug



CROSSLINE line laser

operating manual (German original version)

About this manual

Congratulations on the purchase of your new CROSSLINE! 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 2 laser device



Do not look into the laser beam!

2. Description

2.1 Device components, display and operating elements

2.1.1 CROSSLINE

1. Laser beam window
2. On/off switch, transport lock
3. Status/battery voltage display «BATT-ON»
4. Operating modes button «MODE»
5. Operating mode «PULSE»
6. Tripod adapter 1/4"
7. Battery compartment cover
8. Plumb point beam window

2.1.2 SOLA Li-Ion battery, charging station and charger (Optional)

1. Li-Ion battery SOLA-Li-Ion-Akku 5.2
2. Battery contacts
3. Technical Specifications/certification label
4. Li-Ion charging station
5. Charging connector for the Li-Ion battery charging station
6. Li-Ion charging station
7. Charging cable
8. Charger plug
9. Operation indicator
10. Connection socket for the country-specific plug
11. Release button for the country-specific plug
12. Country-specific plug

2.2 Intended use

The CROSSLINE is a Line/Point Laser that enables a single person to level and align plumb points as well as 90 degree angles horizontally and vertically.

The device is designed to be preferably used indoors. 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 IOX5-REC hand-held receiver can be used to locate the laser line position (the IOX5-REC hand-held receiver is not included in the standard delivery, but can be

ordered as an option).

Follow the instructions contained in this manual. The device and accessory equipment may be a source of danger if they are utilised improperly or inappropriately by persons who are not adequately instructed.

3. Technical data

3.1 CROSSLINE line-point laser

Working range	
- Laser lines	$r = 20 \text{ m}^*$
- Laser lines	$r = 80 \text{ m}^*$
Max. measurement tolerance	
- Laser lines	$\pm 0.2 \text{ mm/m}$
Protection class	IP 54
Levelling range (typical)	$\pm 4^\circ$
Levelling time (typical)	$\leq 5 \text{ s}$
Power supply	3 x 1.5 V AA batteries/Li-ion battery 5.2
Battery life (at 20°C)	
- AA batteries	14 h
- Li-ion battery 5.2	30 h
Permissible temperatures	
Operating temperature	-10°C to +50°C
Storage temperature	-20°C to +60°C
Laser diode lines/points	635 nm < 5 mW
Laser class	2M, DIN EN 60825-1 : 2014
Tripod adapter	1/4"
Weight without batteries	450 g
Dimensions H x W x L	120 x 65 x 105 mm

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

3.2 SOLA charger LG Li-ion

Nominal input voltage	100 – 240 VAC/50 – 60 Hz
Nominal input current	0.4 A @ 100 VAC - 0.2 A @ 240 VAC under maximum load
Nominal input power	21 Wrms under maximum load
Output voltage	3.6 VDC
Charging current	3000 mA

Ambient temperature	-10 °C - +50 °C
Protection class	IP40
Power consumption during standby	$\leq 0.3 \text{ W @ } 100 \text{ VAC}$ / $\leq 0.5 \text{ W @ } 240 \text{ VAC}$

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 CROSSLINE 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 jewellery, 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 CROSSLINE

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 CROSSLINE 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 CROSSLINE emits three visible laser lines and one laser point.
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 the blink reflex and/or the aversion responses in the event that a person accidentally looks at the laser for a short time.



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:



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).

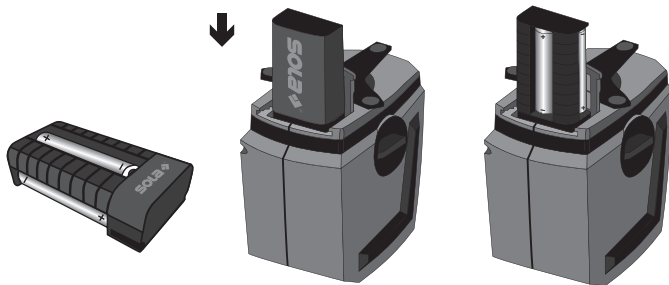
Use only 1.5v AA size (Mignon) batteries.

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 CROSSLINE

7.1.1 Switching the laser on/off

On:

- Turn the on/off switch to the left (ON position) and the pendulum unit will be released - «BATT-ON» display will be lit (the device will beam all lines and points from the laser window). The instrument will level itself automatically within the specified inclination range (see Chapter 3 / Technical data).

Off:

- Turn the on/off switch to the right (OFF position) and the pendulum unit will be locked - «BATT-ON» display will turn off.



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 target surface, uneven surfaces can lead to erroneous measurement results.

- Make sure that the vertical laser line is projected vertically to the wall or to the target surface.

Severe temperature fluctuations can lead to erroneous measurement results.

- Before start-up, allow the device to acclimatise to the environmental conditions.

The «BATT-ON» display will flash when the battery capacity falls below 10%.

- Charge the battery in time or replace with an additional SOLA Li-Ion battery.

7.1.2 PULSE mode

The IOX5-REC hand-held receiver can be used to detect the laser lines at even greater distances or in unfavourable environmental conditions. The CROSSLINE must be used in the PULSE operating mode for this.

On:

- Switch on the CROSSLINE.
- Press the «MODE» button - «PULSE» display will be lit.

Off:

- Press the «MODE» button - «PULSE» display will turn off.

**NOTE**

Using the PULSE mode can save energy and extend battery life by up to 60%, if a particularly good visibility of the laser lines is not required.

7.1.3 Creating inclinations beyond the range of automatic levelling

On:

- Switch off the CROSSLINE (on/off switch to the OFF position).
- Press and hold the «MODE» button for 5 seconds - «PULSE» and «BATT-ON» displays will be lit.
To indicate that the self-levelling is switched off, the lines will blink every 4 seconds.

Off:

- Press and hold the «MODE» button for 5 seconds - «PULSE» display will turn off.

**CAUTION**

If the laser line is not projected vertically to the surface or the surface is uneven, this can lead to erroneous measurement results.








- Make sure that the laser line is projected vertically to the wall or to the target surface.





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

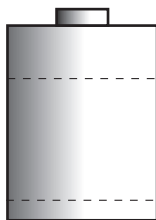
The SOLA Li-ion battery must be completely charged prior to use.

- 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:

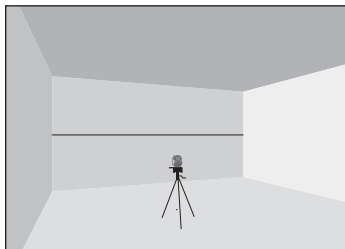
Colour	Display	Mode	Description
yellow green		Standby	No battery in the charger
yellow green		Wait cycle	Battery temperature beyond the valid range
yellow green		Pre-charge	Protective charging for deeply discharged batteries
yellow green		Main charge	Rapid charging phase with max. Power up to 80 %
yellow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

Capacity	Display	Mode
100 %		Charging process completed
80 %		Recharging
		Main charge
		Pre-charge

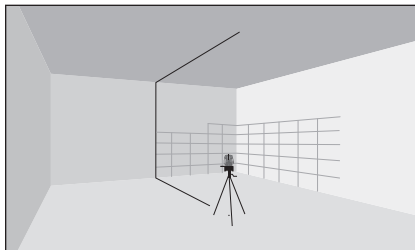


7.3 Applications

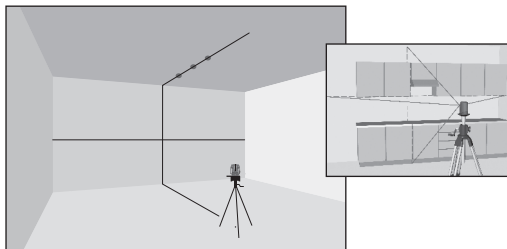
7.3.1 Horizontal levelling



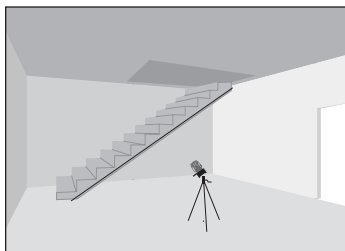
7.3.2 Vertical levelling



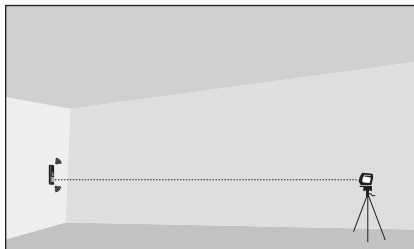
7.3.3 90° angle



7.3.4 Inclination



7.3.5 Working at distances



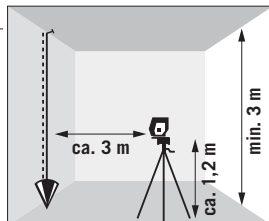
8. Checking the accuracy

Check the accuracy of the SOLA CROSSLINE before each measurement.

► Before starting the check, let the device acclimatise to the environmental conditions.

8.1 Checking the accuracy of the vertical line

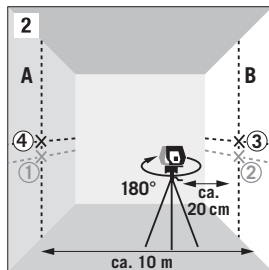
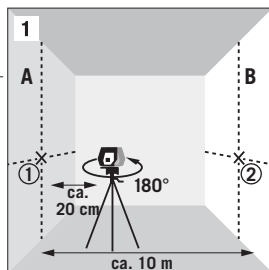
- Attach a plumb line as close as possible to a (at least) 3 m high wall.
- Mount the CROSSLINE onto a tripod at a height of approx. 1.2 m.
- Position the device approx. 3 m in front of the plumb line.
- Switch on the CROSSLINE and project the vertical laser line onto the plumb line.



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

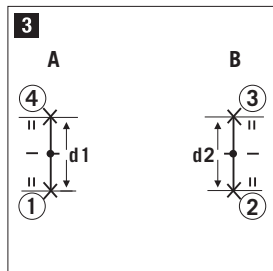
8.2 Checking the leveling accuracy of the horizontal line

1. Select two horizontal, flat walls (A & B), which are approx. 10 meters apart.
 - Mount the CROSSLINE onto a tripod and position it at a distance of approx. 20 cm from wall A.
 - Mark the intersecting point ① of the vertical and horizontal lines on wall A.
2. Rotate the CROSSLINE by 180° and mark point ② on wall B.
 - Position the laser at the same height approx. 20 cm away from wall B and mark point ③ on wall B.
3. Rotate the CROSSLINE by 180° and mark point ④ on wall A.
 - Measure the vertical distance (d1) of the marked points ①-④ and the vertical spacing (d2) of the points ②-③.
 - Mark the center point of (d1) and (d2).
 - If the reference points ① and ③ are on different sides of the center point, (d2) must be subtracted from (d1).
 - If the reference points ① and ③ are on the same side of the center point, (d2) must be added to (d1).



➤ 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 Lieferumfang CROSSLINE

- 1 **CROSSLINE** line laser
- 1 battery adapter **BA**
- 3 AA batteries
- 1 case
- 1 operating manual CD
- 1 magnetic holder **MH**

10.2 ACCESSORIES (optional)

Hand-held receiver with holder and 9 V 6F22 (E-Block) battery **iOX5-REC**

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**

Universal holder **UH**

Thread adapter set **GA-SET**

Battery adapter **BA**

Motor vehicle adapter **CC**

Laser goggles, red **LB RED**

Magnetic target **ZS RED**

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

11. Troubleshooting

Error	Possible cause	Troubleshooting
Device is switched on, display «ON - BATT» does not light up and there is no visible laser beam.	<ul style="list-style-type: none"> ➤ Battery exhausted ➤ Rechargeable battery exhausted ➤ Battery/rechargeable battery inserted incorrectly ➤ Device or switch defective 	<ul style="list-style-type: none"> ➤ Replace the battery ➤ Recharge or replace battery ➤ Insert the batteries / rechargeable batteries correctly ➤ Contact the dealer and have the device repaired.
Device turns off again immediately after startup.	<ul style="list-style-type: none"> ➤ Battery exhausted ➤ Rechargeable battery exhausted 	<ul style="list-style-type: none"> ➤ Replace the battery ➤ Recharge or replace battery
Device is switched on, display «ON - BATT» lights up, but there is no visible laser beam.	<ul style="list-style-type: none"> ➤ Ambient temperature too high/low ➤ Laser diode or laser control defective 	<ul style="list-style-type: none"> ➤ Allow for an acclimatization of the device ➤ Contact the dealer and have the device repaired.
Device is switched on, display «ON - BATT» lights up, but some laser beams are not visible.	<ul style="list-style-type: none"> ➤ Laser diode or laser control defective 	<ul style="list-style-type: none"> ➤ Contact the dealer and have the device repaired.
Laser lines blink in one second intervals	<ul style="list-style-type: none"> ➤ Device is beyond the self-leveling range 	<ul style="list-style-type: none"> ➤ Align the device horizontally
The «ON - BATT» indicator is blinking	<ul style="list-style-type: none"> ➤ Battery capacity is less than 10 % 	<ul style="list-style-type: none"> ➤ Recharge the battery in time
Laser lines blink every 4 seconds	<ul style="list-style-type: none"> ➤ Device is in the manual inclination mode 	<ul style="list-style-type: none"> ➤ Press and hold the «MODE» button for 4s or switch on the laser device

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



Konformitätserklärung Declaration of Conformity Déclaration de Conformité



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)

Crossline

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.

Crossline:

- EN 61010-1:2010
- EN 61326-1:2013
- IEC 60825-1

Li-Ion Akku 5.2:

- EN 61000-6-1: 2007
- EN 61000-6-3: 2007 + A1:2011
- UN38.3

Li-Ion Ladegerät LG Li-Ion:

- 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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