

# GeoMax Zone60 DG



**GEOMAX**

**Quick Guide**  
Version 2.0

# 1 Important Information about your Instrument

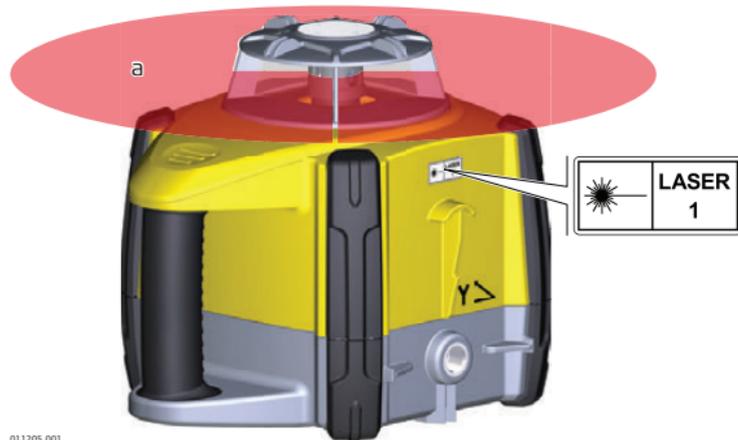
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## Labelling

Read and follow the User Manual on the accompanying CD before using the product or the accessories delivered with the product.

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a) Laser beam

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## Conformity to national regulations

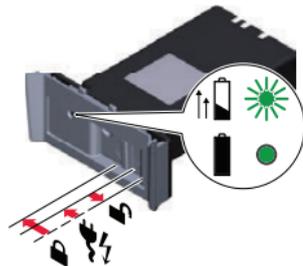
- FCC Part 15 (applicable in US).
- Hereby, GeoMax AG, declares that the product Zone60 DG is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC and other applicable European Directives. The declaration of conformity may be consulted at <http://www.geomax-positioning.com/Downloads.htm>.



Class 1 equipment according European Directive 1999/5/EC (R&TTE) can be placed on the market and be put into service without restrictions in any EU Member state.

- The conformity for countries with other national regulations not covered by the FCC part 15 or European directive 1999/5/EC has to be approved prior to use and operation.
  - Japanese Radio Law and Japanese Telecommunications Business Law Compliance.
    - This device is granted pursuant to the Japanese Radio Law and the Japanese Telecommunications Business Law.
    - This device should not be modified (otherwise the granted designation number will become invalid).
-

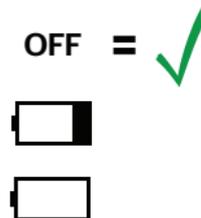
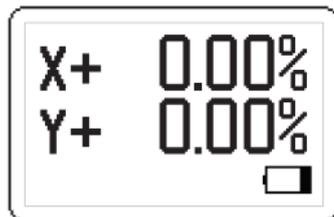
### Li-Ion



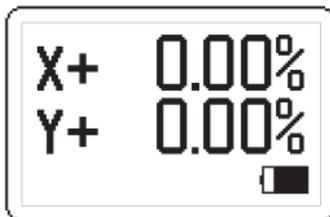
### Alkaline 4x D-cell (LR20)



### Battery (Alkaline)



### Battery (Li-Ion)



## Dangerous Goods Regulations

The products of GeoMax are powered by Lithium batteries.

Lithium batteries can be dangerous under certain conditions and can pose a safety hazard. In certain conditions, Lithium batteries can overheat and ignite.



When carrying or shipping your GeoMax product with Lithium batteries onboard a commercial aircraft, you must do so in accordance with the **IATA Dangerous Goods Regulations**.



GeoMax has developed **Guidelines** on “How to carry GeoMax products” and “How to ship GeoMax products” with Lithium batteries. Before any transportation of a GeoMax product, we ask you to consult these guidelines on our web page (<http://www.geomax-positioning.com/dgr>) to ensure that you are in accordance with the IATA Dangerous Goods Regulations and that the GeoMax products can be transported correctly.

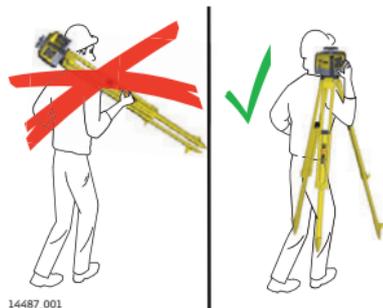


Damaged or defective batteries are prohibited from being carried or transported onboard any aircraft. Therefore, ensure that the condition of any battery is safe for transportation.

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## Care and Transport

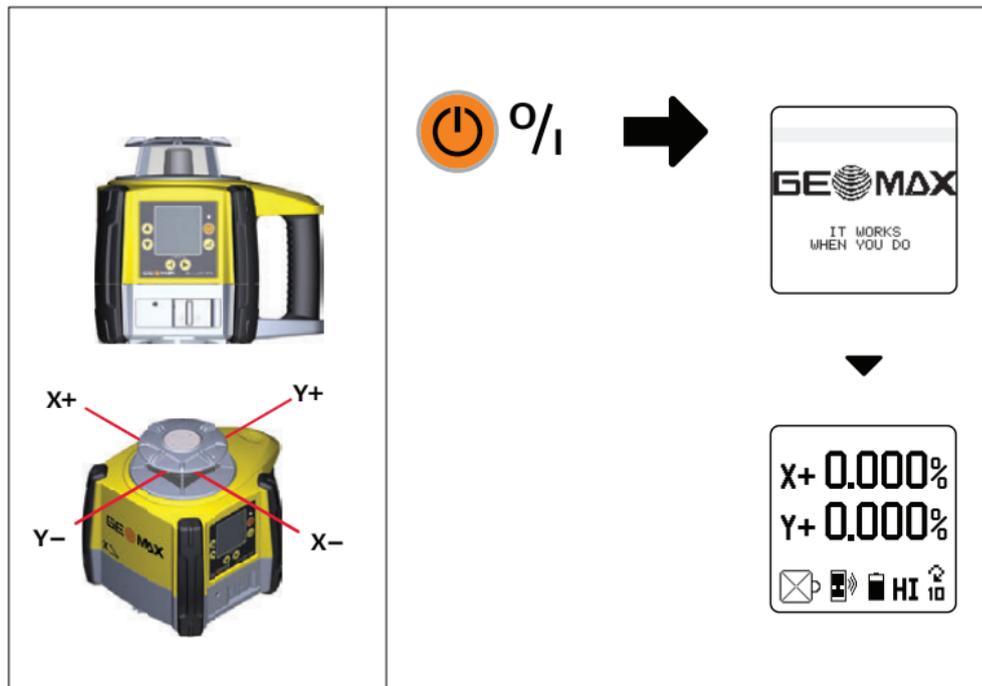
- Carry the product in its original container or carry the tripod with its legs splayed across your shoulder, to protect the product against shock and vibration.
-



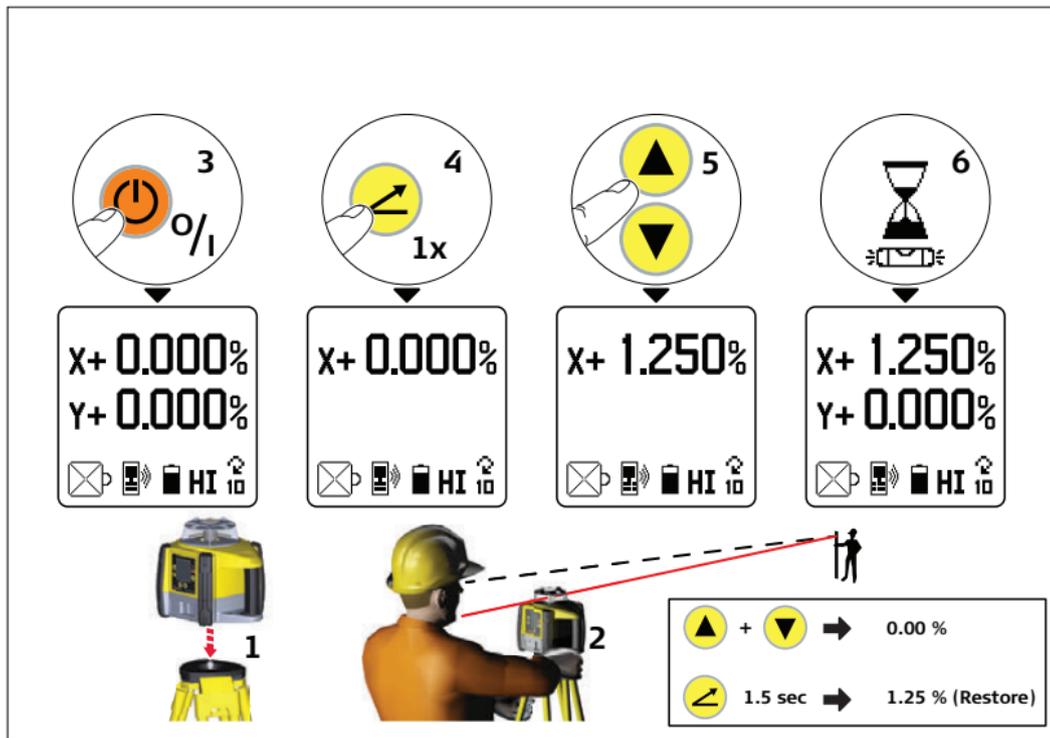
### **Field adjustment**

Periodically carry out test measurements and perform the field adjustments indicated in the User Manual, particularly after the product has been dropped, stored for long periods or transported.

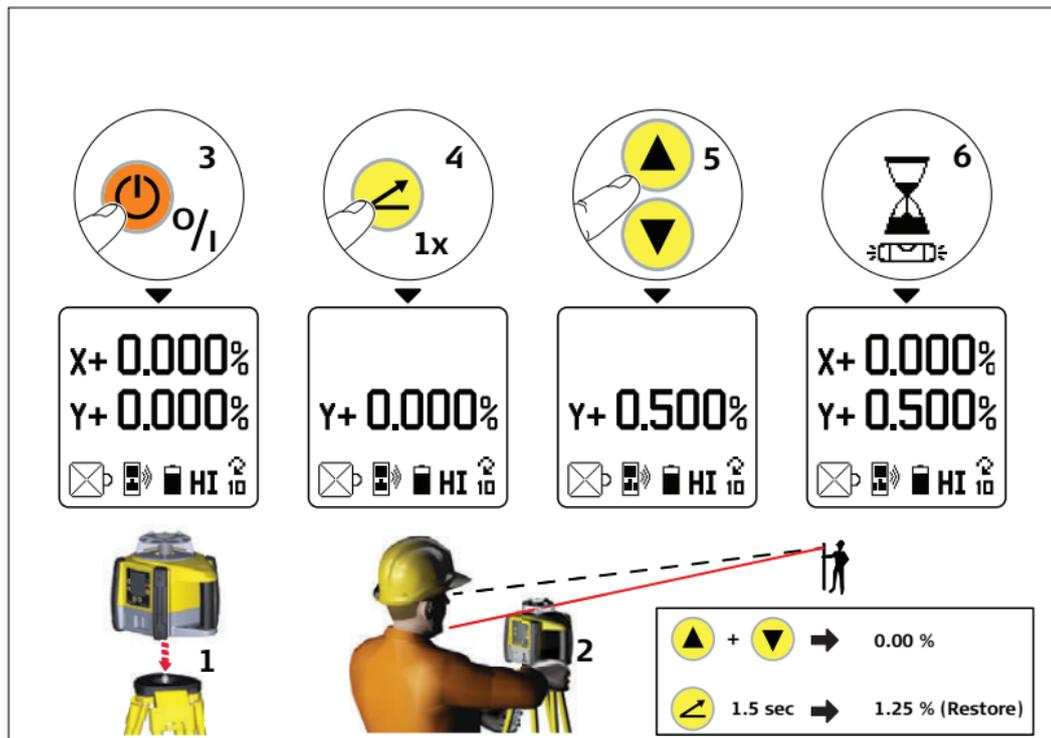
## 2 Operation



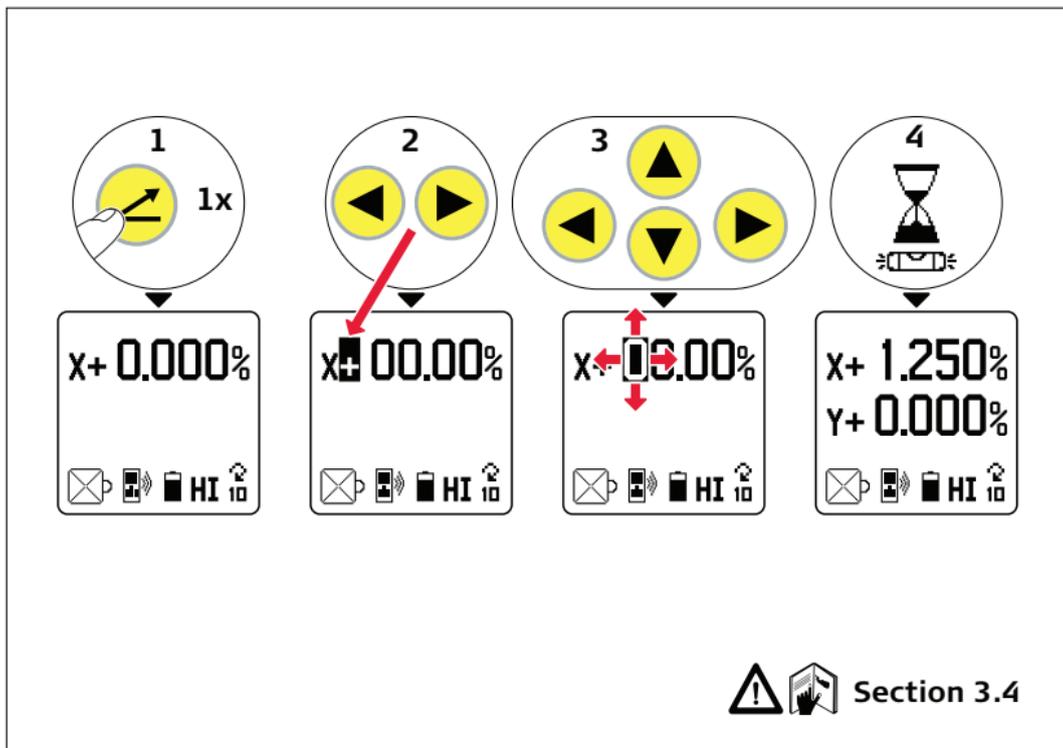
## X: Grade entry



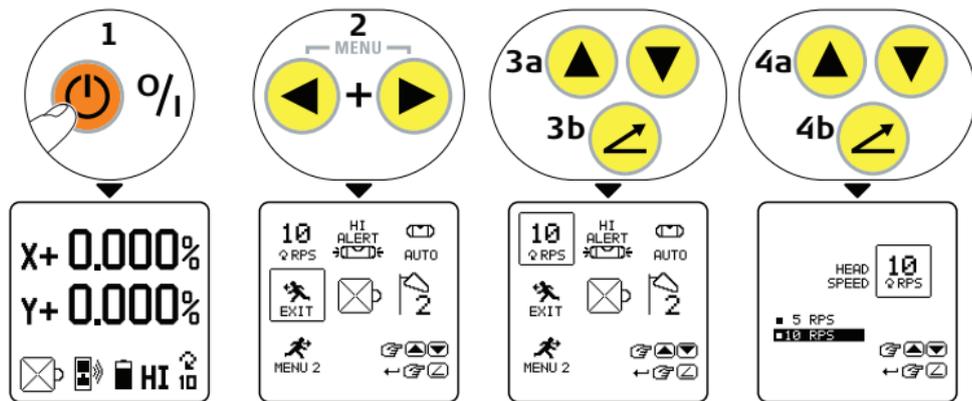
## Y: Grade entry



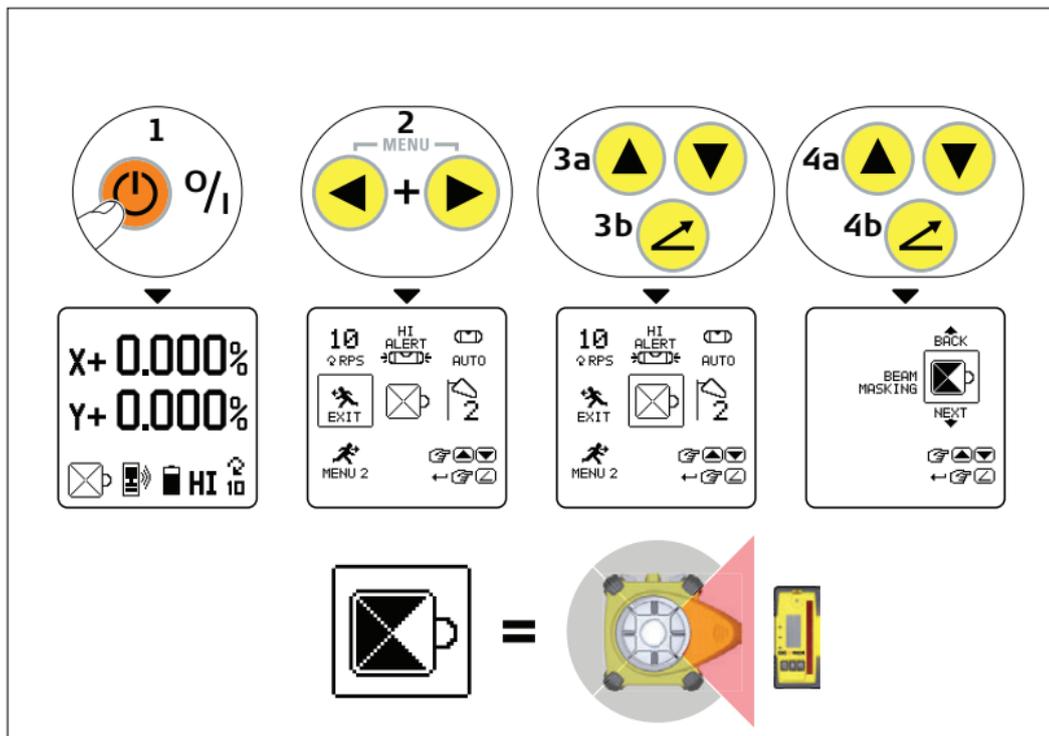
## Grade entry, digit

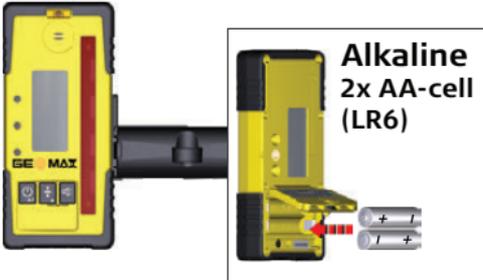


## Zone60 DG Menu



## Beam Masking



<p><b>ZRB35</b></p>  <p>The diagram shows the ZRB35 level on the left and a detailed view of its battery compartment on the right. The compartment is labeled "Alkaline 9V Block" and shows a 9V battery being inserted. A red dashed arrow points to the battery's position.</p>		<p>0/1</p>
<p><b>ZRP105</b></p>  <p>The diagram shows the ZRP105 level on the left and a detailed view of its battery compartment on the right. The compartment is labeled "Alkaline 2x AA-cell (LR6)" and shows two AA batteries being inserted. A red dashed arrow points to the battery's position.</p>		<p>0/1</p>
		<p>±1 mm, ±3 mm</p>
		<p>    </p>
		<p>±1 mm, ±2 mm, ±3 mm</p>
		<p>    </p>

ZRD105



**Alkaline  
2x AA-cell  
(LR6)**



°/1



±0.5 mm, ±1 mm,  
±2 mm, ±3 mm, ±5 mm



1x



ZRD105B



Beam Catching



  **Section 8.4**

Beam Lock

  **Section 8.5**



0/1



±0.5 mm, ±1 mm,  
±2 mm, ±3 mm, ±5 mm

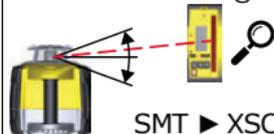


1x



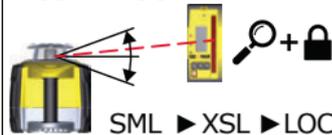
1.5 s

Beam Catching

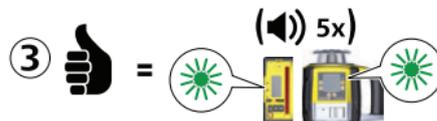
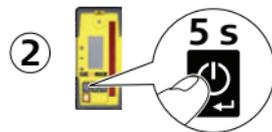


5 s

Beam Lock



ZRD105B  
Alkaline 2x AA-cell (LR6)

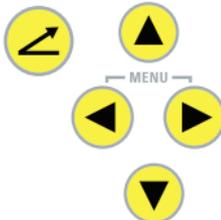




Section 4.0 / 7.0



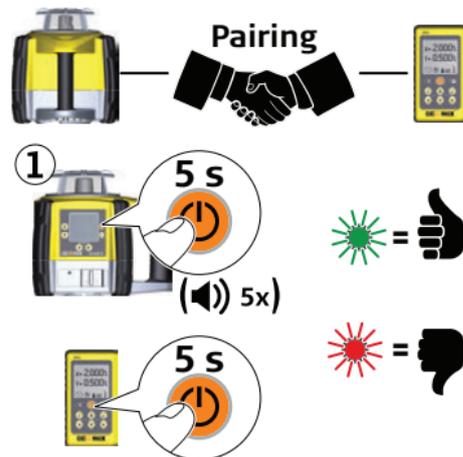
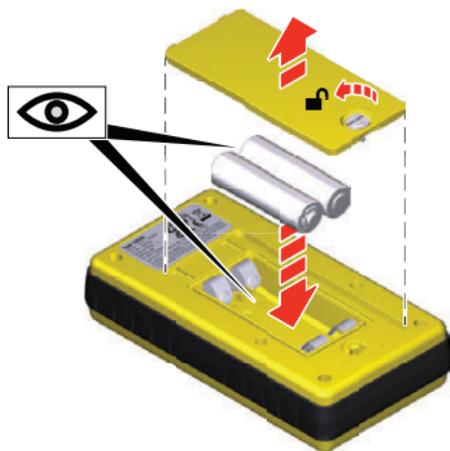
%<sub>1</sub>



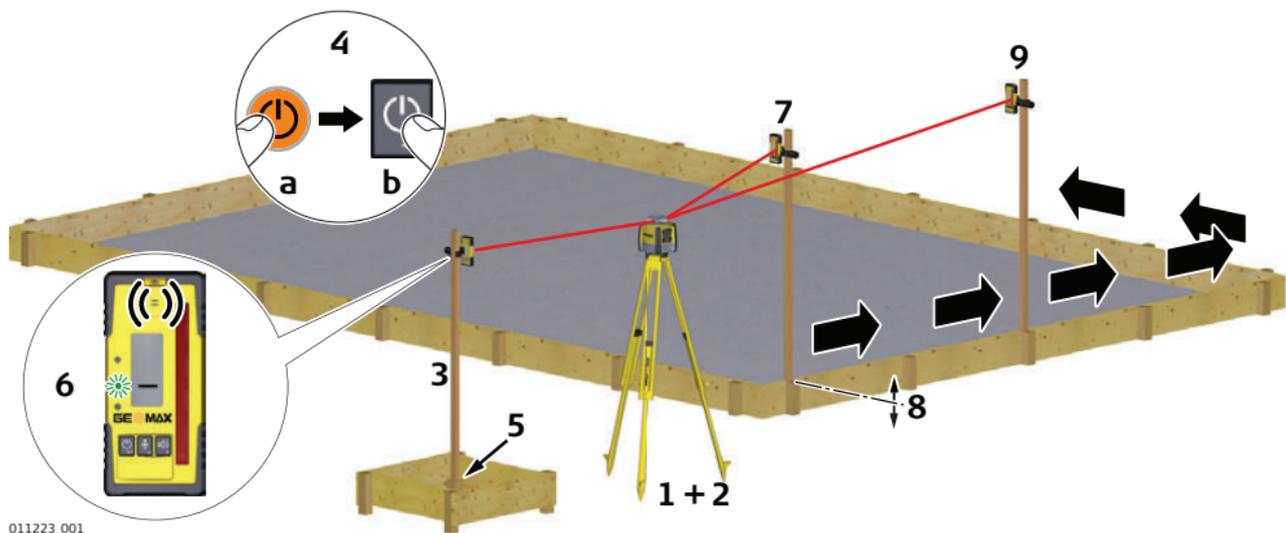
1.5 s



**Alkaline**  
2x AA-cell  
(LR6)

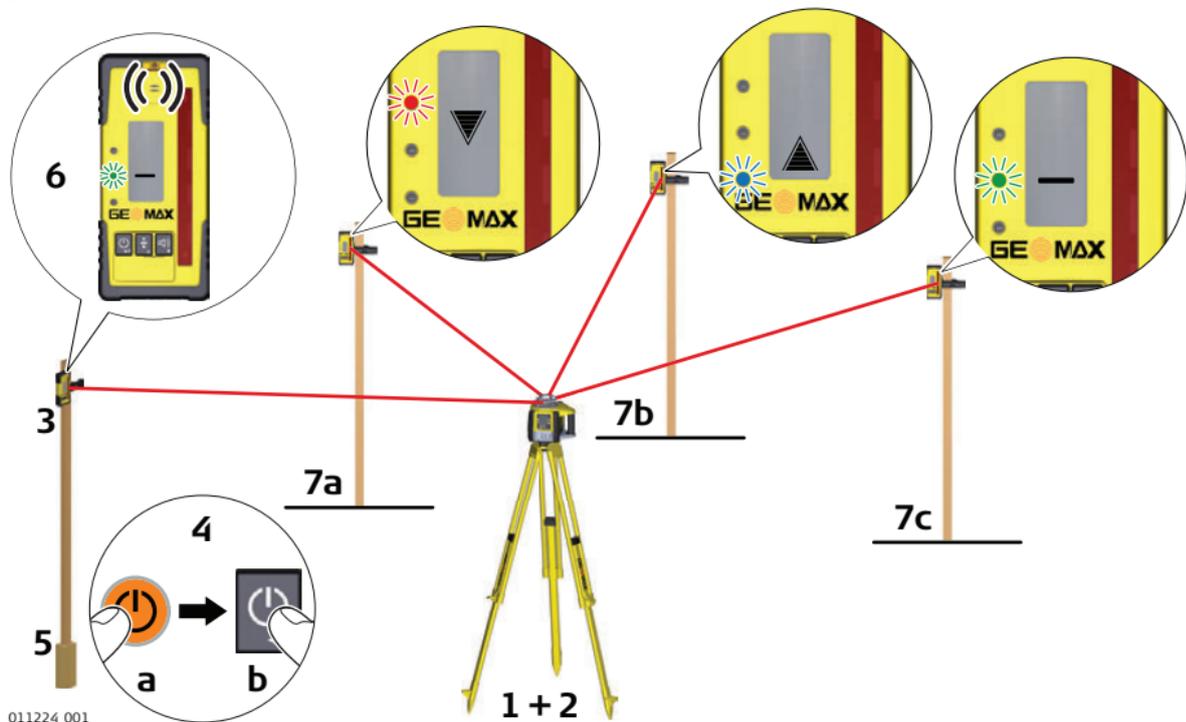


## Setting Forms



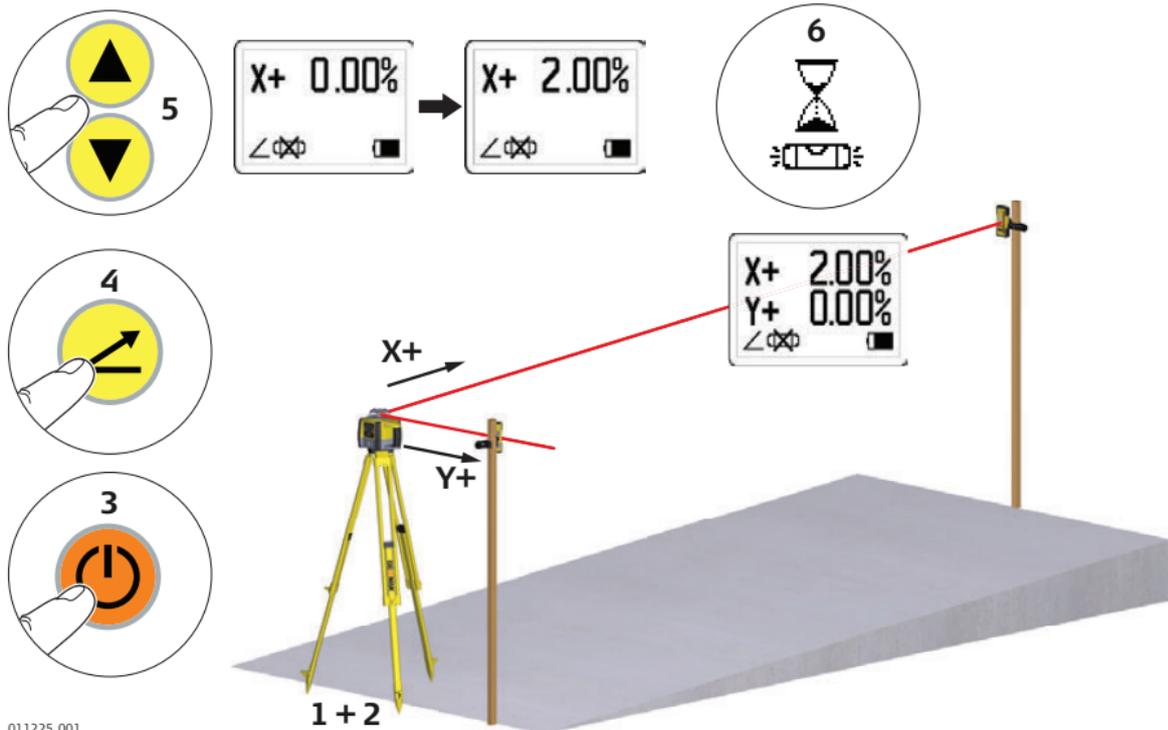
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## Checking Grades

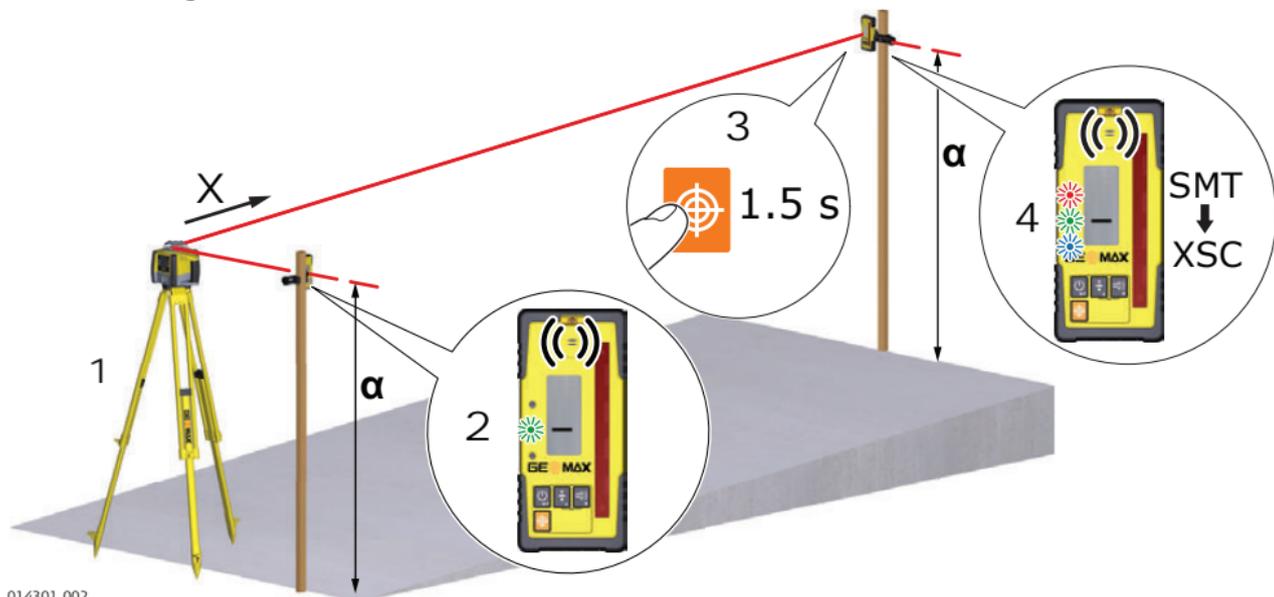


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## Manual Grading



## Beam Catching

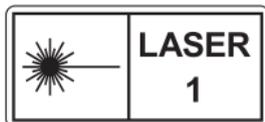


## Alerts

<p><b>TEMPERATURE ALERT</b></p> 		<p>&gt; +50°C   &lt; -20°C</p>
<p><b>H.I. ALERT</b></p> 	 <p>HI ALERT</p>	<p>①  %<sub>I</sub></p> <p>②  check HI → </p>
<p><b>TEMPERATURE CHECK ALERT</b></p>	 <p>X+ % Y+ %</p> 	<p> ~ 2 min</p> 

# GeoMax Zone60 DG Series

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Laser class 1 product in accordance with IEC 60825-1 (2014-05)



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[www.geomax-positioning.com](http://www.geomax-positioning.com)