

## 6. ENVIRONMENTAL CONDITIONS REQUIRED

The instrument is designed mainly for indoor use, the laser beam is visible at 50m in daylight and 100m in darkness at night.

## 7. MAINTENANCE OF THE INSTRUMENT

- 1、The instrument uses AAA batteries. If you will not use it for a long time (e.g. three months) please take the batteries out to avoid leakage, which damages the instrument.
- 2、If the laser light grows dark or not visible at a distance of ten meters or less while use, the batteries are no more functional. Please replace the batteries.

## 8. INSTRUCTION FOR CLEANING AND WASTE DISPOSAL

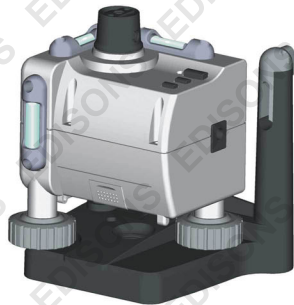
For environmental protection, please dispose of the batteries properly when it is no more functional.

PROFESSIONAL MEASUREMENT  
PROFESSIONAL LEVEL

# ROTARY LASER MANUAL

## 9. Attention:

- 1) A laser pointer is not a toy and should not come into hands of children. Misuse of this appliance can lead to irreparable eye injuries.
- 2) Any adjustment to increase the laser power is forbidden. Any liability for damages as a result of not following these safety instructions will be rejected.
- 3) When using the laser pointer do not point the laser beam towards people and/or reflecting surfaces. Even a laser beam of lower intensity may cause eye damage.
- 4) The laser pointer includes no servicing components. Do not open the housing otherwise the guarantee is void.
- 5) Never look directly into the laser beam. The enclosed glasses serve only for reinforcing contrasts in order to improve invisibility of the laser beam. The laser beam can do permanent damage to your eyes. Do not point the laser beam at persons or at reflecting faces.



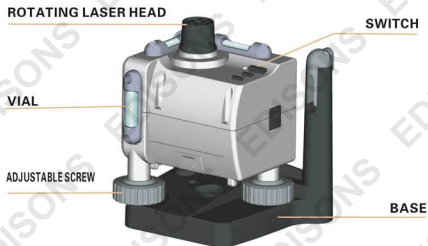
### CAUTION:

PUT IT IN A SAFE PLACE, OUT OF REACH OF CHILDREN  
DON'T STARE AT THE LASER BEAM WHEN USE, IT HARMS YOUR EYES.

Laserstrahlung  
Nicht in den Strahl blicken  
Laserklasse 2  
nach DIN EN 60825-1:2001  
EN 61010-1:2001  
 $P < 1 \text{ mW}$ ,  $\lambda = 635 \text{ nm}$

**Please read this manual carefully before use**

## 1. PART CONTENTS



## 2. TECHNICAL DATA

HORIZONTAL ACCURACY	$\pm 5\text{mm}/10'$
WORKING DISTANCE(RADIUS)	25m
LASER WAVELENGTH	635nm
LASER OUTPUT	$< 5\text{mW}$
LASER CLASS	IIIa
VOLTAGE	4.5V
VIAL ACCURACY	$3' / 2\text{mm}$
WORKING TEMPERATURE	$-10^{\circ}\text{C} - 40^{\circ}\text{C}$
CONTINUOUS WORKING DURATION	3h
SIZE OF THE INSTRUMENT	120×126×175
WEIGHT OF THE INSTRUMENT	0.8Kg
ROTATING SPEED	0-450 ROUNDS/MINUTE

## 3. Operative theory and usage

The rotary laser is a brandnew instrument integrated mechanism, laser and electricity. The rotating laser beam forms a referable leveling surface. This product can be used in architecture, decoration, ceiling, door and window installing, compartmentation etc.



图1



图2



图3

## 4. OPERATION

- open the battery cover, put three AAA batteries, mind its positive or negative poles. Install the instrument on the tripod making sure it's firmly fixed.
- Level adjustment:  
Adjust two adjustable screws on the base until both bubbles of the vials keep at central. (each screw corresponds to the vial opposite to it, not the one just above.) Turn on the switch, you will see a red laser beam. Keep turning the switch, the rotating head will speed up.  
we have holes and slots on the plastic parts which connected to the base.
- You may hang the instrument on the wall if needed with the holes and

## 5. Test of the instrument.

- as the picture shows, put the tripod 10m away from the wall. Install the instrument on the tripod, let one of the vial vertical to the wall, keep the instrument tightly fixed. Adjust the screws until leveling. Turn on the switch, mark the point as X1 on the wall.



- Turn the whole set at 180 degrees, repeat above operation. Mark on the wall the point X2. if the distance between X1 and X2 is larger than 4mm, the vial on X direction needs adjusting. The method of adjustment of the vial:
  - a. adjust the screw until the laser point is at the middle of X1 and X2.
  - b. Use inner hexagonal wrenches to adjust the two screws at the two ends of the vial until the bubble of the vial keeps at center. Repeat above operations until the distance between X1 and X2 smaller than 2mm.

The adjustment of the vial at Y direction is same as that of X direction.



**Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.

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