

LASER SAFETY GLASSES

Instruction Manual

Thank you for purchasing this product. In order to use this product correctly and safely, and make full use of its functions, the user of this product must read this instruction manual carefully before use. Please keep this manual carefully after reading. Although this product is a laser-safety eyeglass, it does not guarantee that this product will eliminate the possibility of eye and body damage.

1. Caution before use

This product is a product that has passed our quality standards. Although every effort has been made for the product, there is a risk that the product may be scratched or deformed during transportation, etc. Be sure to check in advance before using the product.

2. Application of this product

This product protects your eyes from the scattered light of the laser. The name of the filter, the wavelength to be absorbed (range), and the optical density of the lens at that wavelength are described in the product body such as on the lens the frame of product (see the example on the right).

Please check HP for detailed lens performance.

<https://yk-yamamoto.co.jp/en/category/lasersafety/>



Marking <Example>

<u>NdYAG</u>	<u>1064nm</u>	<u>OD6<</u>
Filter name	Wavelength (range)	Optical density

WARNING



- Please use laser protector suitable for the laser to be used. Using wrong way leads to serious accidents.
- Even when wearing laser protector, please do not look into directly the laser beam.
- There is a danger of unexpected laser irradiation due to the reflection of installed objects and optical parts.
- When laser glasses are put on over prescription glasses, the shock of flying objects may affect prescription glasses and cause injury.
- Do not use as a welding glasses.
- Before use, please be sure to check the lens for peeling of the coating, crack of the frame or lens, melt trace of the lens by the laser etc. In such a case, please stop to use this product.

3. Maintenance and storage

Please handle the product carefully.

- ① Please handle it so that the lens is not scratched.
 - Do not touch the lens directly to other objects.
 - Do not put glasses directly on the work clothes pocket.
- ② Hold the temple with both hands and remove the glasses. Forcing with one hand can lead to damage or deformation of the lens or frame.
- ③ After use, clean the lens and frame. Store the product in a case so that dust does not adhere, or store it in a place that does not adhere.
- ④ Do not store in direct sunlight, high temperatures, or places where organic solvents are used.

4. Standard of exchange

Do not use in the following cases, please replace immediately. It is dangerous as it may cause an accident, damage or eye fatigue.

- If laser light strikes the lens and changes such as melting are observed.
- If the lens or frame has a change in appearance such as scratches or cracks.
- If it receives a strong impact on the lens or frame, there may be scratches that can not be checked visually.

5. Modification, repair, etc.

Do not attempt to modify or repair the product by yourself definitely, as it may cause damage or accident.

- ① Product remodeling, post-processing.
- ② Repair of damaged parts with adhesive etc.

6. Cleaning method

Always keep the lens clean.

- ① If the glasses get soiled, wipe it clean with a soft cloth moistened with water and wipe it gently.
 - Do not wipe the product with dirty gloves, towels or cloths.
 - If dirt, dust, iron powder or fat or oil adheres to the product, flush the lens dirt with running water gently, remove the dirt with your fingertips, and wipe gently with a soft cloth.
- ② The resin part of this product may be deformed or broken depending on the type of organic solvent, acid and alkali. Do not use these chemicals for cleaning.
 - If these adhere, wash in the same way as ① above.
- ③ If disinfection is required, wipe the product with a soft cloth containing a disinfection alcohol. After wiping off the disinfection alcohol well, please use it.

Manufacturer

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