

Laser protection window, filter - 0293, dimensions 1000 x 1800 mm, thickness 4.0 mm

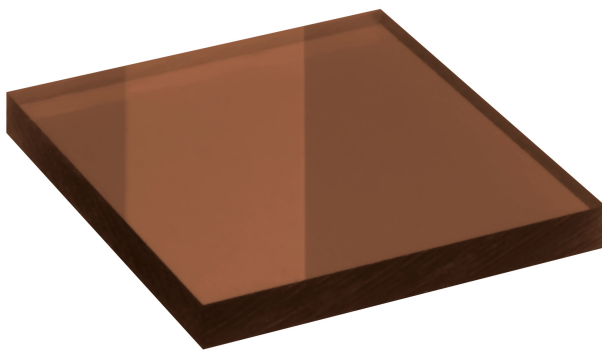
Product information:

Item no.: 100-K0293-1000x1800

Application: Nd:YAG + harmonische (266 + 355 + 532 + 1064 nm) Ti:Sapphire (800 nm)
Diode-Nd:YAG (800-1064 nm) Yb:YAG/Scheibe (1030 nm) Faser (976 – 1080 nm) , VLT (Visible light transmission): 25 %

Filter color: amber

Filter material: special plastic



Laser protection window made of special amber plastic suitable for harmonic Nd:YAG (266 + 355 + 532 + 1064 nm), Ti:sapphire (800 nm), Diode-Nd:YAG (800 - 1064 nm), Yb:YAG/Disc (1030 nm) and Fiber (976 - 1080 nm) lasers

Qualified protection levels according to EN 12254

Wavelengths	Protection levels
• 180-315	D AB8 + IR AB3 (OD10+)
• >315-532	D AB5 + IR AB7 + M AB8 (OD9+)
• >532-541	DIRM AB4 (OD4+)
• >541-544	DIRM AB3 (OD3+)
• >544-549	DIRM AB2 (OD2+)
• >549-555	DIRM AB1 (OD1+)
• >690-722	DIRM AB1 (OD1+)
• >722-745	DIRM AB2 (OD2+)
• >745-765	DIRM AB3 (OD3+)
• >765-780	DIRM AB4 (OD4+)
• >780-800	DIRM AB5 (OD5+)
• >800-815	DIRM AB6 (OD6+)
• >815-830	D AB6 + IRM AB7 (OD7+)
• >830-847	D AB6 + IR AB7 + M AB8 (OD8+)
• >847-862	D AB6 + IR AB7 + M AB9 (OD9+)
• >862-1065	D AB6 + IR AB7 + M AB9 (OD10+)
• >1065-1072	D AB6 + IR AB7 + M AB9 (OD9+)
• >1072-1077	D AB6 + IR AB7 + M AB8 (OD8+)
• >1077-1083	D AB6 + IRM AB7 (OD7+)
• >1083-1094	DIRM AB5 (OD5+)
• >1094-1102	DIRM AB4 (OD4+)
• >1102-1112	DIRM AB3 (OD3+)
• >1112-1125	DIRM AB2 (OD2+)
• >1125-1150	DIRM AB1 (OD1+)
	PF CE

Specified protection according to EN 60825-4 (power densities):

Wavelength [nm]	Test class	Max. resistance time $t_{\max}$ [s]	Power density [kW/m ²]
825-1074	T3	25	550
825-1074	T2	105	97

Properties:

Laser protection windows enable your employees to safely observe the processes in a laser system. Regardless of whether you want to integrate the laser protection windows in machine enclosures or in movable walls, we offer you the right, tested protection for your laser system, for your laser equipment and for your laser application. Depending on the desired protection level or window size, you can choose between windows made of glass or plastic. In addition to a variety of standard sizes, custom cuts are also possible thanks to our in-house production.

The **0293 laser protection filter** is particularly suitable as laser protection for powerful **Nd:YAG + harmonische (266 + 355 + 532 + 1064 nm), Ti:Sapphire (800 nm), Diode-Nd:YAG (800-1064 nm), Yb:YAG/Scheibe (1030 nm) and Fiber (976 – 1080 nm) lasers**. However, other wavelengths are also covered by the filter. The laser safety filter is made of a special amber colored plastic and has a daylight transmission of approx. 25% at low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 1000 x 1800 mm
- also available in the standard size [100 x 200 mm](#) and [210 x 297 mm](#)
- other customized sizes available on request
- suitable window frames available on request

For a perfect and safe cleaning of this filter we recommend this [cleaning spray](#).

