

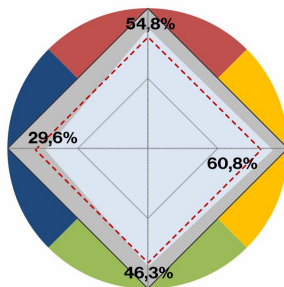
laservision

laser safety window P1P21 (3mm)



Article number: 000P1P212001
GTIN: 4050369053724
Unit: piece
Weight incl. packaging: 0,07 kg
Weight excl. packaging: 0,07 kg

Filter curve



Transmission der Signalfarben nach DIN EN 172 //
transmission of signal colours acc. to EN 172

Highlights

The laservision laser safety window 000.P1P21.2001 (with a thickness of approx. 3-3.2mm) is a gold-colored laser protection window with a scratch-resistant coating. It is certified acc. three standards: EN 207; EN12245 and EN 60825-4). Due to the high ODs in the UV and blue range (OD10+ from 180 to 458 nm; OD8+ >458-462nm), the broad and high protection level within the NIR (OD5+ from 815nm to 1100nm; OD8+ from 880nm to 1075nm, and OD10+ from 940 to1055nm) and in the infrared area (OD8 + from 5230 to 14570 nm), the window is suitable for high power diodes as well as for disk, Nd: YAG, fiber or with CO₂ lasers. The gold-colored laser safety window is 200x100mm in size and has good color vision and VLT of appr. 50%. The maximum size can be 2000 x 1150mm. The thickness is about 3mm.

PROTECTION CLASS / NORM:	EN 207 full protection EN 12254 EN 60825-4
VISUAL BRIGHTNESS:	Very good
FILTER MATERIAL:	Plastic
PROTECTION RANGE:	Infrared near infrared ultraviolet visible
FILTER TECHNOLOGY:	Absorption filter
COLOUR RECOGNITION:	Good
FILTER THICKNESS:	ca. 3mm
COATING:	Anti-scratch on both sides
VLT (APPROX.):	50%
COLOUR:	gold

DIN EN 60825-4

200 - 470nm | 40,7 kW/m² | T2 | t_{max} = 105s

815-1100nm | 40,7 kW/m² | T2 | t_{max} = 105s

5230-14250nm | 50,9 kW/m² | T2 | t_{max} = 105s

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WAVELENGTH	OD	OPERATING MODE / TESTED PROTECTION LEVEL
180 - 315	NULL	180-315 D AB9 + IR AB4 + M AB6Y
180 - 315	(OD10+)	D LB10 + IR LB4 + M LB6Y
>315 - 464	NULL	>315-464 D AB6 + I AB8 + R AB7 + M AB8Y
>315 - 464	(OD8+)	D LB6 + IR LB8 + M LB8Y
>464 - 468	NULL	>464-468 DIRM AB6
>464 - 468	(OD6+)	DIRM LB6
780 - <800	NULL	780-<800 DIRM AB3
780 - <800	(OD3+)	DIRM LB3
800 - <815	NULL	800-<815 DIRM AB4
800 - <815	(OD4+)	DIRM LB4
815 - <835	NULL	815-<835 DIRM AB5
815 - <835	(OD5+)	DIRM LB5
835 - <860	NULL	835-<860 DIRM AB6
835 - <860	(OD6+)	DIRM LB6
860 - <880	NULL	860-<880 DIRM AB7
860 - <880	(OD7+)	D LB6 + IRM LB7
880 - 1050	NULL	880-1050 DR AB7 + I AB8 + M AB8Y
880 - <905	(OD8+)	D LB6 + IR LB8 + M LB8Y
905 - <940	(OD9+)	D LB6 + IR LB8 + M LB8Y
940 - 1055	(OD10+)	D LB6 + IR LB8 + M LB8Y
>1050 - 1075	NULL	>1050-1075 D AB6 + I AB8 + R AB7 + M AB8Y
>1055 - 1065	(OD9+)	D LB6 + IR LB8 + M LB8Y
>1065 - 1075	(OD8+)	D LB6 + IR LB8 + M LB8Y
>1075 - 1080	NULL	>1075-1081 D AB6 + IRM AB7
>1075 - 1081	(OD7+)	D LB6 + IRM LB7
>1081 - 1090	NULL	>1081-1090 DIRM AB6
>1081 - 1090	(OD6+)	DIRM LB6
>1090 - 1100	NULL	>1090-1100 DIRM AB5
>1090 - 1100	(OD5+)	DIRM LB5
>1100 - 1110	NULL	>1100-1110 DIRM AB4
>1100 - 1110	(OD4+)	DIRM LB4
4780 - 5050	NULL	4780-5050 DI AB3 + R AB3Y + M AB5Y

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4780 - 5050	(OD5+)	DI LB4 + R LB3Y + M LB5Y
>5230 - 14570	NULL	>5230-14570 DI AB3 + R AB3Y + M AB6Y
>5230 - 14570	(OD8+)	DI LB4 + R LB3Y + M LB6Y

\overline{OD}

Wellenlänge (NM)	OD
180 - 460	(OD10+)
>460 - 464	(OD8+)
>464 - 466	(OD6+)
780 - <800	(OD3+)
800 - <815	(OD4+)
815 - <835	(OD5+)
835 - <860	(OD6+)
860 - <880	(OD7+)
880 - <905	(OD8+)
905 - <940	(OD9+)
940 - 1055	(OD10+)
>1055 - 1065	(OD9+)
>1065 - 1075	(OD8+)
>1075 - 1081	(OD7+)
>1081 - 1090	(OD6+)
>1090 - 1100	(OD5+)
>1100 - 1110	(OD4+)
4780 - 5050	(OD5+)
5230 - 14570	(OD8+)