

## laser safety spectacle R14T1P07A



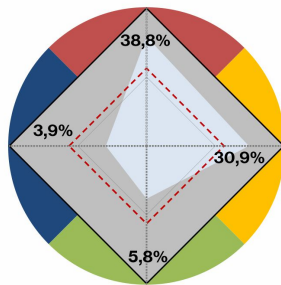
Artikelnr.: R14T1P071004

GTIN: 4050369059313

Unit: 1 Stück

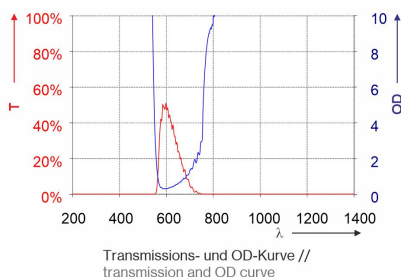
Weight incl. packaging 0,63 kg

### Color view



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

### Filtercurve



Transmissions- und OD-Kurve //  
transmission and OD curve

### Highlights

- Protection levels certified according EN 207
- M-protection ratings for short pulsed lasers up to 25000nm
- Applications: Nd:YAG-, disk-, fiber- and diode lasers
- As well as for SHG, FHG, THG, CO<sub>2</sub> and USP-lasers
- 2 different frame styles available: [R01](#) and [R14](#)
- Very broad protective effect

The laser safety eyewear R14.T1P07.1004 with an aired foam frame (A) provides an extremely broadband laser protection within the UV, VIS, NIR and IR spectral range (from 180-540nm and from 730-25000nm). It is certified with M protection levels and is therefore suitable for picosecond and femtosecond lasers. It was designed for use on powerful, frequency-multiplied Nd:YAG, disk, fiber and diode lasers as well for SHG, FHG, THG, CO<sub>2</sub> und USP-Lasers. The goggles with orange, reflective and absorbent filters can be worn over average sized prescription glasses. The changeable click frame with an aired foam (A14AIRE1000) makes the goggles particularly comfortable to wear and prevents fogging of the laser protection filters. A clear view is guaranteed even with a long wearing period. The shipment includes a metal box which can also be used as a storage box. The removable frame can optionally be bought in sets of 5.

<b>COATING:</b>	Interference Coating (PVD)
<b>CUSHION:</b>	Aired foam (A)
<b>FILTER:</b>	T1P07
<b>FILTER COLOUR:</b>	Orange
<b>FILTER CURVATURE:</b>	Flat filter
<b>FILTER MATERIAL:</b>	Coated glass
<b>FILTER TECHNOLOGY:</b>	Absorption filter, Reflection filter
<b>FILTER THICKNESS:</b>	ca. 8-9mm
<b>FRAME:</b>	R14
<b>FRAME TYPE:</b>	Goggle with strap
<b>PROPERTIES:</b>	M-protection rating, Suitable for use with prescription glasses (OTG)
<b>PROTECTION CLASS / NORM:</b>	EN 207 full protection

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PROTECTION RANGE:	near infrared, Infrared, Coated filter, visible, ultraviolett
VLT (APPROX.):	15%
VISUAL BRIGHTNESS:	Limited
COLOUR RECOGNITION:	Limited

WAVELENGTH	OD	OPERATING MODE / TESTED PROTECTION LEVEL
180 - 315	(OD10+)	D LB10 + IR LB4 + M LB6Y
>315 - <532	(OD10+)	D LB7 + IR LB8 + M LB9
532 - 540	(OD10+)	D LB8 + IR LB9 + M LB10
730 - <760	(OD1+)	DIRM LB1
760 - <780	(OD2+)	DIRM LB2
780 - <808	(OD7+)	DIRM LB7
808 - 860	(OD8+)	DIRM LB8
>860 - 1025	(OD8+)	D LB7 + IRM LB8
>1025 - 1100	(OD10+)	D LB8 + IR LB9 + M LB10
>1100 - 1400	(OD10+)	D LB7 + IR LB8 + M LB9
>1400 - 3500	(OD5+)	DM LB5 + I LB5Y + R LB4
>3500 - 25000	(OD10+)	D LB5 + I LB5Y + R LB3Y + M LB6Y