

## EU type-examination certificate

**C4075.10S**

Applicant / manufacturer	optrel tec ag Industriestrasse 2 9630 Wattwil SWITZERLAND
Identification of the manufacturer	OS
Product type	Laser welding helmet, eye-, face and head protector for laser applications
Model name	PANORAMAXX L
Standard(s) / technical rules	Essential requirements according to Annex II of the PPE-Regulation (EU) 2016/425 EN 166:2001, EN 169:2002, EN 175:1997, EN 207:2017
Test report(s)	1108-ECS-24
Material(s)	Polycarbonate, Polyamide, Plastic with metal components
Marking	<u>Eye- protection:</u> 2 OS 1 S 1000-1100 D LB7 IR LB8 CE <u>Face- and head- protection:</u> OS 175 B 500g 1000-1100 D LB4 IR LB8 CE  See schedule for further details of the components

Herewith, ECS certifies that the named model complies with the essential requirements for health and safety as they are provided by the European Regulation (EU) 2016/425 for Personal Protective Equipment. This certificate is based both / either on the test results as they are summarized in the named test reports, and/or on the technical documentation as it is delivered by the manufacturer. The applicant / manufacturer agrees to the General Business Rules of the ECS GmbH and to additional agreements as they are named in the application for conformity assessment.

The eye-protection device is to be marked as assigned. Either / both the frame and/or the ocular, spectacle, goggle or shield must be signed, as appropriate. If different markings have been assessed, the lowest marking must be applied, respectively. The validity of this EU type-examination certificate will expire on the date as mentioned below, and/or if the manufacturer modifies the safety-relevant properties of this product with comparison to the tested one and/or if the requirements in the standards or technical rules will be revised and/or tightened.

Name, address and identification number 1883 of the notified body ECS are to be indicated in the information brochure of this product.

**This EU type-examination certificate is valid until 2029-09.**

ECS GmbH  
Notified Body 1883  
16/10/24





Kerstin Trimus  
ECS-Certification

ECS GmbH – European Certification Service  
Augenschutz und Persönliche Schutzausrüstung  
Laserschutz und Optische Messtechnik  
Obere Bahnstraße 74  
73431 Aalen, Germany

Company: optrel tec ag

ANNEX to the EU Type-examination certificate registration number C4075.10S

The laser welding helmet PANORAMAXX L consists of the following components:

<b>Component</b>	<b>Protection group</b>	<b>Test- / Measurement-report(s)</b>	<b>Marking</b>
Laser welding filter IP-16	Eye- protection	1108-ECS-24 -Part 7 MR 11083.1-ECS-24	2 OS 1 S 1000-1100 D LB7 IR LB8 OS 1000-1100 OD7 C5 PS3 ISO 19818-1 OS CE
Internal filter frame (plastic with metal filling)	Eye- protection	1108-ECS-24 -Part 1 MR 11084-ECS-24	1000-1100 D LB7 IR LB8 OS 1000-1100 OD7 C5 PS3 ISO 19818-1 OS CE
Welding shell (Polyamide)	Face- and head- protection	1108-ECS-24 -Part 7 MR 11084.1-ECS-24	OS 175 B 500g 1000-1100 D LB4 IR LB8 OS B 1000-1100 OD5 C2 PS3 ISO 19818-1 OS E CE
Cover plate (Polycarbonate)	Safety plate	1422-ECS-19 MR 14221-ECS-19	OS B CE