

SPECIAL STATES EVEN AND FACE PROTECTION Optrel e1100 with e640 black untreated

REF. 4280.000



SPERIAN

GENERAL DATA

Division : Head Protection Family : Eye and Face Protection Range : Welding Line : PAPR Sub Sub Sub Family : Expert Brand formerly known as : OPTREL Business Countries Middle East EMEA United Kingdom Activity Domains : Welding

Product Use :

PRODUCT ADVANTAGES

Feature :

By using new battery technology, an updated face seal, a stronger protective sleeve and an optimised air duct coupling, the Optrel e1100 is even more user friendly as the OS 100 was. But not only the system itself has been updated, but also the service:

1.Two years warranty and repair service:

Thanks to the extended warranty time of two years, the buying decision is made easier. Following the warranty period we can repair your system. For further information please have a look to www.optrel.com

2. New face seal:

The newly designed face seal offers increased comfort for the wearer. It is made of a flexible comfortable to wear textile with outstanding sealing properties. Thanks to this new face seal, the Optrel e1100 guarantees the protection level TH2P in Europe.

3. New battery technology:

Thanks to the new lithium ionic battery-technology, the standard battery for the Optrel e1100 now offers the same life time as the OS100's long life battery and this to a much lighter weight.

4.Optimised airduct coupling:

The efficient coupling system of the Optrel e1100 allows the air supply hose and blower to be easely removed from the helmet to allow the welder to move more freely.

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TECHNICAL DESCRIPTION

Shade Level : 4/10-11 Sensitivity Adjustement : no Special Features : no

Protection : reflection free front cover lens Adjustement of the detection angle : yes

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Delay Function : No

Switching Time Back Dark to Light : 0,2 - 0,3 s

Switching Time Light to Dark : 0,4 ms / 20 °C

Viewing Area : 38 x98 mm

Sensor : 2 above the eyes1

Optical Class : 1

Scattered Light :

Homogeneity :

Power Supply : Solar cells and batteries

Operating Temperature

From : - 10 °C **To :** + 70 °C

Cartridge size

Length : 110 mm Height : 90 mm Weight : 106 g Total weight : 420 g

Operating Temperature

Particule : TH 2 Gas None

Usable in explosive environment according to EN 12942 No

Flow rate : > 150 L/min

Material :

Polyamid

Sperian Protection : ZI Paris Nord II - 33 rue des vanesses - BP 50288 - 95958 Roissy CDG - France Tel.: +33 (0)1 49 90 79 79 - Fax: +33 (0)1 49 90 79 80 - www.sperianprotection.eu

VISITA NUESTRATIENDA

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Fan:

high quality ball beared fan motor Fuse : electronic fuse Noise : max. 70dB Alarms : Optic Audible Low power Filter missing low air flow Dimensions : 249 x 213 x 87 mm Weight : 1205 g Color : blue / orange Filter : 1 x P(SL) Hose : 1160 mm with protection sleeve **Battery** : Long Life

Battery type : Li-lon rechargeeable

Standard

Battery Voltage/Capacity : 11,1 V / 4,8 or 7,2 Ah

Battery charging cycles : > 1000



ADDITIONAL INFORMATION	
Accessories : Designation Filter P SL R	Article No . 4088.000
Optrel e1100 blower incl. filter, battery, charger, air hose, protective sleeve, flowmeter, fabric belt with leather back-support, manual & storage case	4251.000
Fabric belt with leather back-support Fabric belt without leather back-support Leather belt without leather back-support Air-flowmeter Air hose Air hose & protective sleeve Protective sleeve	4155.002 4155.030 4155.004 4155.000 4155.021 4155.022 4155.003
Face seal Storage case Charger EU/UK Battery "Standard" (Li-Ion, 4.8Ah) Battery "Longlife" (Li-Ion, 7.2Ah) Leather head- & neck protection for PAPR welding helmets	4160.000 4074.001 4255.001 4255.006 4255.007 4028.031
Replacement helmet shell Optrel e680, dark blue with air duct & face seal (without cartridge)	4241.003
Replacement helmet shell Optrel e670, cosmic green with air duct & face sea (without cartridge)	4261.001
Replacement helmet shell Optrel e650, black (uncoated) with air duct & face seal (without cartridge)	4261.000
Replacement helmet shell Optrel e640, black (uncoated) with air duct & face seal (without cartridge)	4281.000
Life Cycle : Check the safety helmet / blower regularly in accordance with the oprating instructions / user manual. If the unit is in storage, the battrey must be recharched every 4 months EAN Code :	
CERTIFICATION AND CONFORMITY	
European Directives : 89/686/EEC	
7640127610619 CERTIFICATION AND CONFORMITY European Directives : 89/686/EEC EC Category PPE* : Category III Standards : EN379 Quality Assurance : ISO 9001 / 2000 EC Attestation Number : 235/E-032/2008	
Quality Assurance : ISO 9001 / 2000	
EC Attestation Number : 235/E-032/2008	
Laboratory : Occupational Safety Research Institute	
*PPE : Personal Protective Equipment	



EC CONFORMITY DECLARATION

The manufacturer or its legal representative supplier settled in the European Community: Sperian Protection Europe

Declares that the next Personal Protective Equipment described here after is in conformity with the provisions of Council Directive 89/686/CEE:

Designation: Optrel e1100 with e640 black untreated

Reference: 4280.000

Standard(s): EN379

This PPE is the object of the above EC attestation type: 235/E-032/2008

Delivered by:

Occupational Safety Research Institute

Jerusalémska 9 116 52 Praha 1

Made at Wattwil, on the 07/15/2008 By: A. Boos Division: Head Protection

To Bee



Occupational Safety Research Institute, v.v.i.

Jeruzalémská 9, 116 52 Praha 1, Czech Republic

Authorized Body 235 Notified Body 1024



EC TYPE EXAMINATION CERTIFICATE No. 235/E-032/2008

This EC Type Examination Certificate is issued to:

Manufacturer:	Sperian Welding Protection AG, Industriestrasse 2, CH-9630 Watwil
identification number:	756
PPE product:	Welding helmets Optrel e640, Optrel e650, Optrel e670 and Optrel e680 combined with blower Optrel e1100 TH2

It is certified that the manufacturer's technical file and above mentioned PPE product have been assessed and found to be in accordance with the basic health and safety requirements of Government Order 21/2003 Coll., which implements Council Directive No. 89/686/EEC "Personal Protective Equipment" as amended by Council Directives 93/68/EEC, 93/95/EEC and 96/58/EEC, as recorded in Report No.235/ZZ-027/2008, which is an integral part of this Certificate.

When examined the model was found to meet all of the relevant requirements of the appropriate harmonized standard(s):

EN 12941:1998 Respiratory protective devices. Powered filtering devices incorporating a helmet or a hood. Requirements, testing, marking.(idt. CSN EN 12941:99)

Marking and instructions have been assessed in the Czech language only.

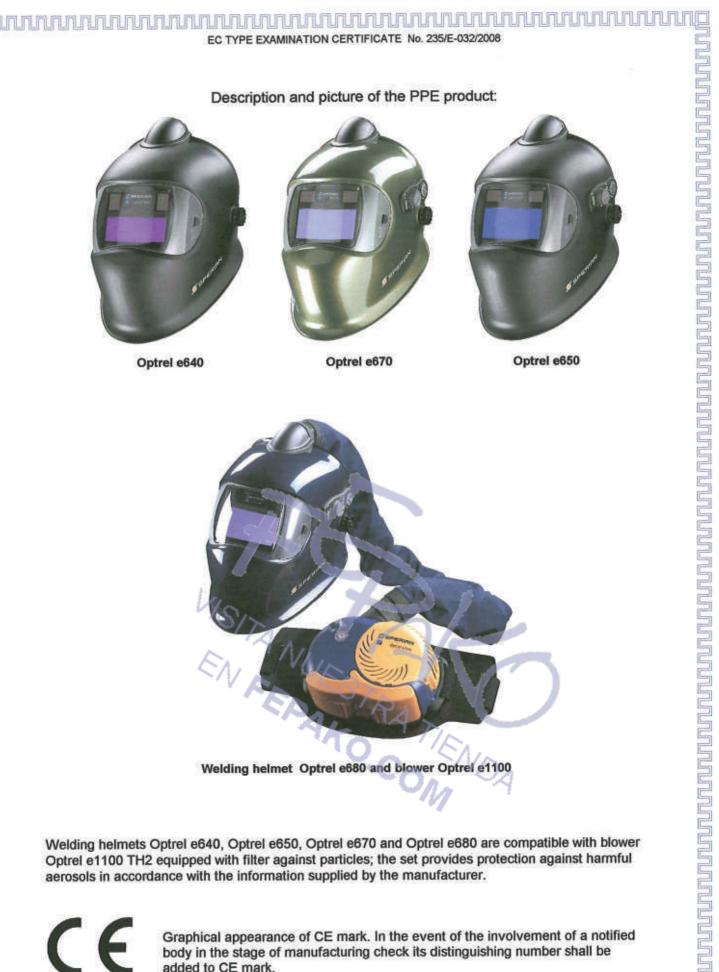
For and on behalf of Occupational Safety Research Institute - Authorized Body 235, Notified Body No. 1024:

Date of Issue: 15.7.2008

RNDr. Stanislav Maly, Ph.D.

ÚNM

This certificate was issued in Czech and English versions. Both versions have the same validity.



Graphical appearance of CE mark. In the event of the involvement of a notified body in the stage of manufacturing check its distinguishing number shall be added to CE mark.