

>>> OPTREL e1000- SERIES



OPTREL e1100

OS100 even better

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 than the OS100 was. But not only the system itself has been updated, but also the service:

1. Two years warranty & 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. No need to throw it away or buy a new. Just contact our repair service, we will raise a quote for the parts required. For further information please have a look on www.optrel.com



2. New Face seal

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

2. 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.



3. Optimised Airduct coupling

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

Optrel e1100 Technical Datas

Description Protection level	Powered Air Purifying Respirator (PAPR), battery powered TH2 (EN12941), NPF 50 (EN529), APF 20 (BS4275), GW 20 (BGR190). -> The e1100 respiratory system must NOT be used in environments where there is an immediate danger to health or life (IDLH), or in atmospheres containing less than 17% oxygen. It is NOT evaluated as an ignition source in flammable or explosive atmospheres. The Optrel e1100 must NOT be worn as protection against gases or vapours.		
Blower unit	Flow rate:	min. 150 l/min controlled	
	Material:	polyamid (PA-GF)	
	Fan:	high quality ball beared fan motor	
	Fuse:	electronic fuse	
	Noise:	max. 70dB	
	Alarm:	optical & audible alarm for low power, low air flow or missing filter	
	Dimensions (L x W x H):	249 x 213 x 87 mm	
	Weight:	1205g / 42,505 oz (incl. filter and belt)	
	Colour:	blue / orange	
Filter	(Part No: 4088.000)	Type	1 x P(SL)
Hose	(Part No: 4155.022)	Length:	1160 mm (elastic upto 1300mm with protective sleeve)
	Diameter:	31 mm (inside)	
	Weight:	185g / 6.526 oz (without protective sleeve)	
	Colour:	black	
Battery	Type (Part No)	Standard (4255.006)	Long Life (4255.007)
	Type:	Li-Ion rechargeable	Li-Ion rechargeable
	Voltage / capacity:	11.1V / 4.8Ah	11.1V / 7.2Ah
	Charging cycles:	> 1000	> 1000
	Operating time*:	min.6 hours, typ. 11h	min. 9 hours, typ. 16h
	Charging time:	approx. 5 hours	approx. 8 hours
	Weight:	420g / 14,815 oz	565g / 19,930 oz
	Colour:	orange	orange
	*min. operating time is with lightly dirty filter at room temperature		
Charger Type	Microprocessor controlled, fully automatic		
	Plug:	Euro-plug, UK-plug and US-plug	
	Primary voltage:	100 - 240 Volt @ 50 Hz/60Hz	
Operating temperature	-5°C to +55°C (without condensation)		
Battery charging temp.	+5°C to +25°C (without condensation)		
Standards	EN 12941:1998 TH2 (EMV directive: 89/336 /EEC, 92/31/EEC in succession 93/68/EEC), GOST-R		
Warranty	2 years from date of sales for manufacturing and material defects, no warranty for battery		

Article Number	Designation	pcs/box
4240.003	Optrel e1100 with Optrel e680 Dark blue	1
4260.001	Optrel e1100 with Optrel e670 Cosmic green	1
4270.000	Optrel e1100 with Optrel e650 black untreated 1	
4280.000	Optrel e1100 with Optrel e640 black untreated 1	



Spar parts

Art. No.	Designation	pcs/box	Art. No.	Designation	pcs/box
4255.006	Battery for Optrel e1100 Standard	1	4088.000	Filter P(SL)	1
4255.007	Battery for Optrel e1100 Long Life	1			

* for more spare parts and other helmet colours, please have a look on the actual SPERIAN Welding catalogue