

Data Sheet

XR940A

XR940A Is a battery powered air purifying respirator (PAPR) for protection against dust and particles. This system is TH3P certified in accordance with European standard EN12941: 1998/A 1:2004/A2:2008 TH3P

XR940A supplies clean air reducing the effort required to breathe in fume environments. The electronic system for controlling the airflow monitors the blower in order to ensure a constant flow of min.170nl/min*. The effective operating time of XR940A with a fully charged battery depends on the and filter state but run time on the low setting is normally more than 11 hours and 9 hours on the high setting.

The unit has enhanced warning signals optical and audible alarms for low power, clogged filter and reduced airflow. Additional vibration warning for low air flow.

The unit is coupled to a large view weld/grind helmet with true colour cartridge for enhanced clarity. The welding helmet features an multi adjustable headband with enhanced supports to spread the load evenly on the wearers head.

The blower unit is worn around the users waist and additional support is provided by removable shoulder straps.

Technical Data

Technical specifications:(we reserve the right to make technical changes) Nominal protection factor TH3P classification(Europe).

Blower unit Flow rates: Level1: min.170nl/min* Level2: min.220nl/min*.

* At standard conditions: 20° C, 0 meters above sea level (1013 hPa) all Levels controlled.

Material PC+ABS

Blower High quality ball bearing long life brushless motor

Fuse Electronic fuse

Weight: 288g

Noise level Max. 60dB(A)

Master Filter type P3 TH3P R SL for TH3P system (Europe)

Air hose Length:850 mm(900mm including connectors)with protective sleeve.

Weight 1097g (incl. Filter and battery). Dimensions

LxWxH: 224x190x70 mm (Max).

Battery Type:- Li-ion rechargeable

Voltage / capacity:14.8V/2.2Ah

Charging cycles: >350

Operating time level 1* 11h Operating time level 2* 9h

Charging time: approx.2.5h

Standards: EN12941:1998/A1:2003/A2:2008 TH3 P R SL,

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*min operating time is with a fully charged new battery and filter at room temperature.

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Filtration

The unit is fitted with a P3 Particulate main filter coupled with a carbon odour pre filter and a stainless steel spark trap to preserve the filters, all filters are replaceable. Filter lifetime is dependant upon the working environment. The unit is not suitable to operation in areas where the oxygen supply is depleted or there may be a risk of toxic gas build up.

TH3P Protection factor 500

TH3P filter applications

Metal Grinding and cutting applications

Welding of Aluminium by MIG or TIG process

Welding of Stainless Steel MIG and TIG processes

Welding of steel by MMA, MIG or TIG

Welding of Zinc coated steel by MIG or TIG

Always ensure the working environment is checked by a competent person before using filtering respiratory protection:

- Is there enough oxygen in the ambient air? (see your local legislative requirements – in Germany a minimum of 17 vol. % is required)
- What contaminants are in the ambient air?
- What are the concentrations of the contaminants?
- Are the contaminants in gas, particle, or vapour form? Or are they a mixture?
- Do the contaminants have adequate warning properties (e.g. smell or taste?)
- What are the applicable Occupational Exposure Limits? (OEL) – In addition to respiratory protection, is other personal protection equipment (e.g. eye or ear protection) required?

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