

PARWELD

PROFESSIONAL WELDING PROTECTION

XR943H

WELDING & GRINDING HELMET

XR943H

FLIP-UP WELDING & GRINDING HELMET ELEVATE YOUR VISION

A professional true-colour welding helmet with a flip-up front and wide clear grinding visor. The digital LCD control system combines fast process selection, shade memory and high-speed tacking functions with balanced, adjustable headgear.

- Flip-up ADF for rapid change from welding to grinding
- True Colour ADF with optical classification 1/1/1/1
- Auto shade, high-speed TACK and gradual-lightening functions
- Settings memory and external operating controls

TECHNICAL SPECIFICATION

Product code	XR943H	Product type	Flip-up auto-darkening welding and grinding helmet
Viewing area	108 × 74 mm	Light state	DIN Shade 3
Cutting range	DIN 4-8, variable	Welding range	DIN 9-14, variable
Optical class	1/1/1/1	UV/IR protection	Permanent DIN Shade 16
Light-to-dark	1/30,000 second (0.000033 s)	Dark-to-light delay	0.3-0.9 seconds, externally adjustable
Power supply	Solar cells and CR2450 3 V battery	Power control	Fully automatic on/off
Operating modes	Weld / Cut / Grind / Auto / TACK	User functions	LCD display, settings memory, gradual lightening
Operating temperature	-5°C to +55°C	Storage temperature	-20°C to +70°C
Helmet material	High-impact polyamide nylon	Total weight	754 g
Colour	Graphite grey	Headgear	Adjustable; multiple rake positions

PERFORMANCE AND USER BENEFITS

FLIP-UP FRONT Lift the ADF assembly to expose the wide clear visor for grinding, inspection and preparation while retaining full-face coverage.

TRUE COLOUR / 1-1-1-1 High optical quality improves colour recognition, weld-pool definition and consistency of vision across the viewing area.

PROCESS CONTROL Dedicated Weld, Cut and Grind modes, with Auto Shade and external adjustment, support fast changes between common fabrication tasks.

TACK MODE High-speed tacking control is designed for repeated short arcs where conventional filters may lighten between individual tacks.

GRADUAL LIGHTENING A controlled return toward the light state reduces abrupt brightness changes and can lessen visual fatigue.

SETTINGS MEMORY Saved settings help the operator return to frequently used configurations quickly.

APPLICATIONS AND SELECTION

Suitable applications	Important limitations
• TIG welding • MIG/MAG welding • MMA/stick welding • Plasma cutting • Grinding and weld preparation	• Select shade to suit process and current. • Not for laser welding/cutting or gas welding/cutting. • Not respiratory protection; apply suitable fume controls/ RPE. • Do not use damaged lenses, shell, controls or headgear.

REPLACEMENT PARTS AND ACCESSORIES

Code	Description	Code	Description
XR423	Front cover lens Curved	XR353	Auto-darkening filter (ADF)
XR435	Side-window replacement kit incl. obscure cover	XR433	Curved grinding protective lens
XR434	Inside ADF cover lens	XR342	Adjustable headband assembly
XR372	Sweatband	XR373	Headband hand nuts (pair)
XR436	Diopter holder brackets (pair)	CR2450	3V replaceable battery
LD1050	+1.0 D Magnification	LD1550	+1.5 D Magnification
LD2050	+2.0 D Magnification	LD2550	+2.5 D Magnification
LD3050	+3.0 D Magnification		

STANDARDS, CONFORMITY AND MARKING

Published product literature identifies EN 16321, EN 175 and EN 166, and gives an ADF optical-quality classification of 1/1/1/1 under EN 379. Confirm the current Declaration of Conformity, type-examination certificate and exact helmet/ADF production markings before product release, tender submission or controlled compliance claims.

Care: Inspect the shell, clear visor, ADF, cover lenses, sensors and headgear before each use. Replace scratched, cracked, pitted or heat-damaged parts. Keep optical surfaces and sensors clean, store dry and follow the current user instructions.

MANUFACTURER AND TECHNICAL SOURCES

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Sources reviewed 1 September 2026: Parweld XR943H product/parts information and XR943H published technical data sheet/user information. Product specifications should be checked against the controlled production documentation before issue.