

PARWELD

PROFESSIONAL WELDING PROTECTION

XR942H

WELDING & GRINDING HELMET



PANORAMIC - EXPAND YOUR VISION

A professional true-colour helmet combining a large central ADF with active-shading side windows for enhanced peripheral awareness. Designed for welding, plasma cutting, rapid tacking and grinding.

- Panoramic 180° internal field of vision
- Active Darkening side windows shade with the main ADF
- True Colour Lens for more Realistic Vision of the Weld
- Exceptional Optical Quality
- Automatic or manual shade and sensitivity selection
- TACK and gradual-lightening TRS functions
- External controls for fast adjustment

Key performance data

Viewing area (Main Lens Size)	116 × 81 mm (4.56 × 3.18 in)
Light state	DIN Shade 3
Cutting shade range	DIN 4-8, stepless adjustment
Welding shade range	DIN 9-14, stepless adjustment
Light-to-dark switching	1/30,000 second (approx. 0.033 ms)
Dark-to-light delay	0.04-2.0 seconds, adjustable / automatic
UV/IR Protection	Permanent protection equivalent to DIN Shade 16 in all operating states , including the
	light state and electronic failure mode.
Sensitivity	Levels 0-9, manually adjustable,with automatic ambient - light calibration (approx. 5 secs)

Operating functions

FUNCTION	CONTROL	USER BENEFIT
WELD	DIN 9-14; Auto or manual	Covers common arc-welding applications; shade 14 supports high-power work.
CUT	DIN 4-8	Lower shade range suited to plasma cutting.
GRIND	Fixed DIN 3	Clear light state for grinding; external quick selection.
TACK	Zero-delay setting	Rapid lightening between short, repeated tack welds.
MIX / TRS	Gradual dark-to-light transition	Helps reduce eye strain and fatigue after high-intensity welding.
MEMORY	10 stored settings	Fast recall of frequently used job parameters.
SIDE LOCK	Dark-state side-window lock	Reduces distraction from nearby welding arcs.

Construction, power and environment

Helmet shell	High-impact polyamide nylon; graphite finish
Power supply	Built-in solar cells with replaceable battery power
Power control	Automatic operation with ADF self-check and low-battery alert
Minimum welding current	5 A
Operating temperature	-5°C to +55°C
Storage temperature	-20°C to +70°C
Relative humidity	20% to 80%
Total weight	693 g (1.52 lb)
Warranty	36 months against manufacturing defects, subject to instructions and terms

Conformity and protection

Declared conformity: BS EN 175 and BS EN ISO 16321-1; impact rating E (120 m/s).

Always use correctly fitted internal and external cover lenses. This helmet does not replace task-specific respiratory, hearing or protective-clothing requirements. Select the shade appropriate to the welding process and current.

Current replacement parts

PART NUMBER	DESCRIPTION
XR443	Front Curved grinding protective lens
XR352	Auto-darkening filter Panoramic
XR445	Side-window Cover lens replacement kit (pair)
XR444	Inside ADF cover lens (10pcs)
XR342	Adjustable headband Assembly
XR372	Sweatband
XR363	3V Battery (Single)
XR373	Headband fixing hand nuts - pair

Technical note: Specifications compiled from Parweld's current XR product page and XR942H user instructions. Verify certification documentation, markings and supplied accessories against the production batch before regulatory release.