



**Enormous 95cm<sup>2</sup> Viewing Area**  
with V1 (1/1/1/1) rated optics  
116 x 81mm 'landscape' format for  
wider & more natural field of view



**Advanced Digital Controls**  
+ illuminated LCD screen



**External Controls**

- Mode: Weld, Cut, Shade-Lock
- Grind mode on/off
- Auto/Manual Shade
- Shade level (manual) or Shade deviation (auto)
- Memory save



**Auto Functions**  
Choice of auto or manual shade,  
sensitivity & delay adjustments

### Plus

**4 Arc + 1 Intensity Sensor**  
for reliable arc detection & switching

**Magnification Lens Holder**

**AS1337.1 High-Impact Rated**  
A must for many work sites



**External Controls**  
Adjust settings & switch  
to grind mode without  
lifting helmet.



### Promax R50 Respirator



### Promax 680 Auto Darkening Lens



### Ordering & Parts Information

Item	Part No.	Item	Part No.
Promax 680R Helmet & PAPR Blower	WC-06700	Headgear Assembly	WC-06694
Lens Kit 2 Outer + 1 Inner	WC-05351	Promax R50 Main Filter	WC-06704
Outer Cover Lens - Per Each	WC-05352	Promax R50 Pre Filter Pk5	WC-06705
Inner Cover Lens - Pack 5	WC-05357	Promax R50 Spark Filter Pk2	WC-06706
Magnification Lens 1.5x	P7-ML15	Promax R50 Air Hose	WC-06696
Magnification Lens 2.0x	P7-ML20	Promax R50 Blower unit	WC-06697
Magnification Lens 2.5x	P7-ML25	Promax R50 Battery	WC-06695
Sweatbands - Pack 5	WC-01630		



### Promax 680R Technical Data

Suitable Processes	MIG, MMA/Stick & TIG (≥5 amps), Grinding, Plasma Cutting, Oxy Cutting / Brazing / Heating, Gouging
Viewing Area	116mm wide x 81mm high (95cm <sup>2</sup> ) landscape format for wider field of view
Switching Speed	Conforms to & exceeds requirements of AS/NZS 1338.1 Standard
Arc Sensing	4 Sensors + 1 Arc Intensity Sensor
Power Supply	2 x CR2450 replaceable battery & Solar assist
On / Off Helmet	Ready to use at any time, no switching required
Operating Modes (Switch between modes via internal or external controls)	Weld: Adjustable shade 9-14
	Cut: Adjustable shade 4-8
	Shade-Lock: Locks lens at any shade level from 4-14
	Grind: Lock lens at shade 3
Shade adjustment	Internal or external, Manual or Auto*. Adjusts in 0.5 increments.
Sensitivity	Internal, Manual or Auto* Low – High
Delay	Internal, Manual or Auto* Low – High
*Auto	When set to Auto, helmet monitors arc intensity and adjusts settings automatically. When using auto shade, +/- deviation can be adjusted in 0.1 increments.
Tack mode	Returns to shade 5 (instead of shade 3) between welds to reduce fatigue Controlled via sensitivity adjustment
Gradient mode	On: gradual return/slope down from dark to light. Off: no gradient, returns directly to shade 3
Memory	Save up to 9 favourite settings (recalls shade, sensitivity & delay settings)
Weight	860g
Mag Lens Holder	Takes standard 108 x 51mm Magnification Lenses
Standards Compliance	Lens: AS1338.1, ISO16321-2 Shell: AS/NZS1337.1 High Impact PAPR Respirator: AS/NZS1716
Optical Rating	V1 1/1/1/1 (Optical quality / Diffusion of light / Variation in luminous transmittance / Angle dependency)
Warranty	Conditional 7 years (on auto darkening lens) See <a href="http://Weldclass.com/warrantyinfo">Weldclass.com/warrantyinfo</a> for details
Temperature Range	Operating -5 °C to +55 °C / Storage -10 to +65 °C

### Promax R50 Respirator Technical Data

Filter Type	Particle P3 P R SL
Filter Class	TH3 (99.8% air particle purity / ≤0.2% inward leakage)
Air Flow Rates / Speeds	170 / 200 / 230L/min
Battery Specifications	Li-Ion 14.8V 2.6Ah 38.48Wh
Battery Operating Time*	>10hr @ 170L/min, >6hr @ 230L/min *With a new filter and fully charged battery in a clean environment
Battery Charging Time	2 Hours
Battery Charging Cycles	>500 over lifetime of battery
Unit Weight	1050g incl. filter & battery
Operating Temperature	-5°C to +55°C
Standards Compliance	AS/NZS 1716, EN 12941, ANSI Z87.1

