



iExp Series

WELDING HELMET

Industrial design with excellent performance

Tailored to meet the demands of professional welders, the next-generation 745L features cutting-edge optics with an extended shade range. Additionally, the inclusion of side lenses offers an expanded field of view on both sides.



Dark Mode



Extended Shade Range



Mix Mode



Side Lens



High-impact Resistance



Hard Hat Adapter



745L (TM31)

Super Bright Vision

Enables to See Molten Pool Clearly

In light state, light transmittance is up to 31% (shade 2.0). From now on you can observe surrounding working environment clearly and start grinding under super light condition as precisely as with your naked eyes.

After welding, welding seam can also be clearly observed, welding quality and status can be judged and significantly improved.



Dark mode
Designed for tackling complex environments where surrounding factors might stop the arc sensors from functioning properly.

User-friendly interface
Control panel is clear and intuitive, allowing you to adjust mode, sensitivity, delay, and shade number with just a short press. Essential info is displayed through LED lights.



External grinding control
Allows for quick switching between welding and grinding modes without lifting the welding helmet.

Side lens



Shade 5 side lenses on both sides optimize the welder's field of view, enhancing surrounding vision, and minimizing workplace hazards.

Specifications



MODEL	745L	745L 2.0
Optical Class	1 / 1 / 1 / 1	1 / 1 / 1 / 2
Viewing Area	100 x 50 mm (3.94" x 1.97")	
Cartridge Size	115 x 94 x 9 mm (3.45" x 2.82" x 0.35")	
Arc Sensor	4	
Light State	DIN 2.5	DIN 2.0
Dark State	DIN 4-8 / 9-13	
Shade Control	Internal, LED and button control	
Power On/Off	Automatic On / Off	
Sensitivity Control	Low - High, LED and button control	
UV/IR Protection	Up to Shade DIN16 at all times	
Power Supply	Solar cell. Battery replaceable, 1 x CR2450 lithium battery	
Switching Time	1/20,000 s. from Light to Dark	
Delay (Dark to Light)	0.05/0.1/0.3/0.6/1.0s, 5-level	
Low Amperage TIG Rated	≥ 2 amps (DC); ≥ 2 amps (AC)	
Grinding	Yes, LED and button control	
Battery Capacity Test	Yes	
Low Battery Indicator	Yes	
Dark Mode	Internal, LED and Button Control	
Mix Mode	Internal, LED and Button Control	
Operating Temp.	-10°C to 55°C (14°F to 131°F)	
Storing Temp.	-20°C to 70°C (- 4°F to 158°F)	
Helmet Material	High Impact Resistance Nylon	
Application Range	Stick Welding (SMAW); TIG DC&AC; TIG Pulse DC; TIG Pulse AC; MIG/MAG/CO2; MIG/MAG Pulse; Plasma Arc Cutting (PAC); Plasma Arc Welding (PAW); Air Carbon Arc Cutting (CAC-A); Oxyfuel Gas Welding (OFW); Oxygen Cutting (OC); Grinding	
Approved	CE, UKCA, ANSI, CSA, AS/NZS, EAC	



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