



MAGMA
North America

MKM 718S – Welding Helmet

Magmaweld MKM 718S Colormatic Welding Helmet

Product Code: 8500405718



Technical Specifications

Optical Class:	1/1/1/2
Viewing Area:	100 x 60mm (3.94" x 2.36")
Cartridge Size:	110 x 90 x 9mm (4.33" x 3.54" x 0.35")
Arc Sensor:	4
Light State:	DIN 4
Dark State:	DIN 5-8 / 9-13
Shade Control:	External, Variable Shade
Power On/Off:	Fully Automatic
Sensitivity Control:	Low – High, by infinitely dial knob
UV/IR Protection:	Up to Shade DIN16 at all time
Power Supply:	Solar cell. Battery change required. 1 x CR2450 lithium battery.
Switching Time:	1 / 30,000s from Light to Dark
Delay (Dark to Light):	0.1 ~ 1.0s by dial control knob
Low Amperage TIG Rated:	≥ 5A (DC); ≥ 5A (AC)
Grinding:	Yes
Operating Temp:	-10°C ~ 60°C (14°F ~ 140°F)
Storing Temp:	-20°C ~ 70°C (-4°F ~ 158°F)
Helmet Material:	High Impact Resistance Nylon
Total Weight:	500g
Application Range:	Stick Welding (DC&AC), TIG (DC,DC Pulse), TIG AC (Pulse), Excellent Low Amperage TIG Response, MIG/MAG, MIG/MAG Pulse, Plasma Cutting/Welding, Grinding
Approved:	CE, ANSI Z87.1, CSA Z94.3

Guide for Shade Numbers

Operation	Electrode Size in. (mm)	Arc Current (A)	Minimum Protective Shade	Suggested Shade No. (comfort)
Shielded Metal Arc Welding	< 3 (2.5)	< 60	7	-
	3-5 (2.5-4)	60-160	8	10
	5-8 (4-6.4)	160-250	10	12
	> 8 (6.4)	250-550	11	14
Gas Metal Arc Welding and Flux Cored Arc Welding		< 60	7	-
		60-160	10	11
		160-250	10	12
		250-500	10	14
Gas Tungsten Arc Welding		< 50	8	10
		50-150	8	12
		150-500	10	14
Air Carbon Arc Cutting	(Light)	< 500	10	12
	(Heavy)	500-1000	11	14
Plasma Arc Welding		< 20	6	6-8
		20-100	8	10
		100-400	10	12
		400-800	11	14
Plasma Arc Cutting	(Light)	< 300	8	8
	(Medium)	300-400	9	12
	(Heavy)	400-800	10	14
Torch Brazing		-	-	3-4
Torch Soldering		-	-	2
Carbon Arc Welding		-	-	14
	Plate Thickness in.	Plate Thickness mm		
Gas Welding	< 1/8	< 3.2		4 or 5
	1/8 – 1/2	3.2 – 12.7		5 or 6
	> 1/2	> 12.7		6 or 8
Oxygen Cutting	< 1	< 25		3 or 4
	1 – 6	25 – 150		4 or 5
	> 6	> 150		5 or 6

Ordering Information

Please quote the part number (8500405718) to place an order.