

Product Brochure For W009

Auto Darken Welding Helmet - TEC-1G

9-13 Shade

Includes Grinding Function



TECMEN®



Features

- Suitable for Stick, MIG, TIG Welders, Plasma Cutters & Grinding
- Adjustable shade from 9 to 13 with grinding function
- Viewing area 98 x 44mm
- Automatic activation in 1/16,000 second
- High/low sensitivity & slow /fast delay switch
- Protects from UV and IR radiation
- Light weight high impact resistance nylon
- AS/NZS 1338.1.1992

Includes

- Includes 1 x additional lens cover & sweatband

ORDER CODE:	W009
MODEL:	TEC-1G
Viewing Area (mm):	98 x 44
Cartridge Size (mm):	110 x 90 x 9
Arc Sensors (No.):	2
Light State:	DIN 3.5
Shade:	9 ~ 13
Shade Control:	External Variable Shade
Power On/off:	Fully Automatic
Sensitivity Control:	High / Low Switch
UV/IR Protection:	Up to DIN16 at all times
Helmet Power Supply:	Solar Cell, No Battery & Change Required
Respirator Power Supply:	-
Switching Time Light To Dark:	1/16,000 seconds
Delay Time Dark To Light (Seconds)	0.25 ~ 0.30 Fast & 0.65 ~ 0.80 Slow
TIG Rated Minimum (amp):	10
Grinding Function (Yes / No):	Yes
Inactive Shade (Grind/Off):	-
Operating Temperature:	-10°C ~ +55°C
Storing Temperature:	-20°C ~ +70°C
Helmet Material:	High Impact & Resistant Nylon
Application Range:	Stick, Mig, Tig, Arc Welding, & Plasma & Grinding
Standard:	AS/NZS 1338.1.1992
Total Weight (grams):	435

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SHADE GUIDE TABLE

Welding Process	ARC CURRENT (Amperes)													
	0.5	2.5	10	20	40	80	125	175	225	275	350	450		
	1	5	15	30	60	100	150	200	250	300	400	500		
SMAW				9	10	11	12	13	14	15	16	17	18	19
MIG (heavy)						10	11	12	13	14	15	16	17	18
MIG (light)						10	11	12	13	14	15	16	17	18
TIG, GTAW			9	10	11	12	13	14	15	16	17	18	19	20
MAG/CO ₂					10	11	12	13	14	15	16	17	18	19
SAW						10	11	12	13	14	15	16	17	18
PAC						11	12	13	14	15	16	17	18	19
PAW			8	9	10	11	12	13	14	15	16	17	18	19

NOTE:

SMAW - Shielded Metal Arc Welding	MIG (Heavy) - MIG on Heavy Metals
TIG, GTAW - Gas Tungsten Arc Welding	PAW - Plasma Arc Welding
PAC - Plasma Arc Cutting	MAG/CO ₂ - Metal Active Gas
SAW - Shielded Semi-Automatic Arc Welding	MIG (Light) - MIG on Light Alloys

Specific Features



Front View



Left View



Side View



Top View

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Rear View



Angle Adjustment



Adjustable Shade Dial with Grind Mode



Sensitivity and Delay Switches



Includes additional Lens Cover and Sweatband

Recommended Accessories

W001

Auto Darken Welding Helmet -
9-13 Shade



W002

Auto Darken Welding Helmet -
9-13 Shade



W225

Welding Curtain

