

Product Brochure For W012

Auto Darken Welding Helmet - TEC-III

9-13 Shade

With Grinding Function



TECMEN®



Features

- Suitable for MIG, TIG, Plasma, Arc welders & Grinding
- Adjustable shade from 9 to 13
- Viewing area 97 x 62mm
- Automatic activation in 1/25,000 second
- Solar powered with 4 arc sensors (inc. 2 x CR2450 lithium batteries)
- Adjustable sensitivity dial with grinding function
- Adjustable delay time dial
- 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:	W012
MODEL:	TEC-III
Viewing Area (mm):	97 x 62
Cartridge Size (mm):	133 x 114 x 9
Arc Sensors (No.):	4
Light State:	DIN 3.5
Shade:	9 ~ 13
Shade Control:	Internal, Variable Shade
Power On/off:	Fully Automatic
Sensitivity Control:	Adjustable Dial Knob
UV/IR Protection:	UpDIN 16
Helmet Power Supply:	Solar Cell, Battery Charge & Required (2 x CR2450 & lithium batteries)
Respirator Power Supply:	~
Switching Time Light To Dark:	1/25,000 seconds
Delay Time Dark To Light (Seconds) (sec):	0.1 ~ 1.0 (via Dial)
TIG Rated Minimum (amp):	2
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:	Mig, Tig, Arc Welding, & Plasma & Grinding
Standard:	AS/NZS 1338.1.1992
Total Weight (grams):	590

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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



Rear View



Back View

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Adjustable Headband



Shade, Sensitivity with Grinding Function & Delay Dials



Additional Lens Cover & Sweatband

Recommended Accessories

W001

Auto Darken Welding Helmet -
9~13 Shade



W002

Auto Darken Welding Helmet -
9~13 Shade



W225

Welding Curtain

