



OMNIMIG 250



The new Inverter based Compact MIG Welder



SALIENT FEATURES

- Latest Inverter based technology.
- Low Power Consumption due to Power Factor Correction Technique that brings the Power Factor nearly equal to one.
- Single point controlled synergic MIG welding operation.
- 3-digit Digital Panel Meters to display the set voltage, actual voltage, set current and actual current while welding.
- LED Indications for Mains ON and Trip signal.
- Protections: Over-Voltage, Under -Voltage, Over-Temperature & Output Short Circuit Protection.
- Compact Design with built-in Wirefeeder.
- Gas Trolley for easy movement of machine on the shop floor.

TECHNICAL SPECIFICATIONS - POWER SOURCE

Technical Specifications	Unit	OMNIMIG
Input		
Input Supply :		
Voltage	Volts, Ac	230 V +15%, -10%,
Phase		1
Frequency	HZ	50/ 60
Input Power @ 230VAC in MIG Mode		CC - CV
@100% duty cycle	KVA	4.6 Max.
@ 60% duty cycle	KVA	6.5 Max.
@ 35% duty cycle	KVA	8.5 Max.
@ No Load	KVA	0.15
Input Current 415V Supply		
@ 100% duty cycle	Amps, Ac	18.9
@ 60% duty cycle	Amps, Ac	27.3
@ 35% duty cycle	Amps, Ac	36.2
@ No Load	Amps, Ac	0.3
Power Factor		0.99 Max.
Efficiency	%	>82
Output		
Open Circuit Voltage @230V Input Supply	Volts, DC	75V DC (+/-5V)
Welding Voltage Range	Volts, DC	14 - 34
Welding Current Range	Amps, DC	50 - 250

Cont.



OMNIMIG 250



The new Inverter based Compact MIG Welder

Cont.

Crater Voltage Range	Volt, DC	14 - 34
Crater Current Range	Amps, DC	50 - 250
Welding Current (40°C 10 minutes cycle)		
@ 100% duty cycle X%	Amps, DC	160
@ 60% duty cycle	Amps, DC	195
@ 35% duty cycle	Amps, DC	250
General		
Gas Preheater Rating	V / A	90 V DC / 1.1 Amps
Welding Wire Sizes (Diameter)	mm	0.8, 1.0, 1.2
Protections (Auto Reset)	-	Over Voltage, Under Voltage, Over Temperature, Output Short Circuit
Front Panel Functions		<ol style="list-style-type: none"> 1. 2 Track/ 4 track control and Crater Setting 2. Creep Feed 3. Adjustable Burn-back 4. Display - set Voltage and Wire Speed, actual Voltage and Welding Current 5. Pre flow and Post flow 6. Wire Diameter Selection- 0.8, 1.0 & 1.2 7. Shielding Gas Selection- Co2 And Mixed Arco2
Cooling	Type	Forced Air
Class of Insulation	-	H
Degree of Protection	-	IP23S
Dimensions (L x W x H) Power Source	mm	600 x 330 x 530
Dimensions (L x W x H) With Trolley	Kg	1040 x 475 x 1140
Weight (Approx. only Power Source)	Kg	32
Weight (Approx. Trolley)	Kg	77

Cont.



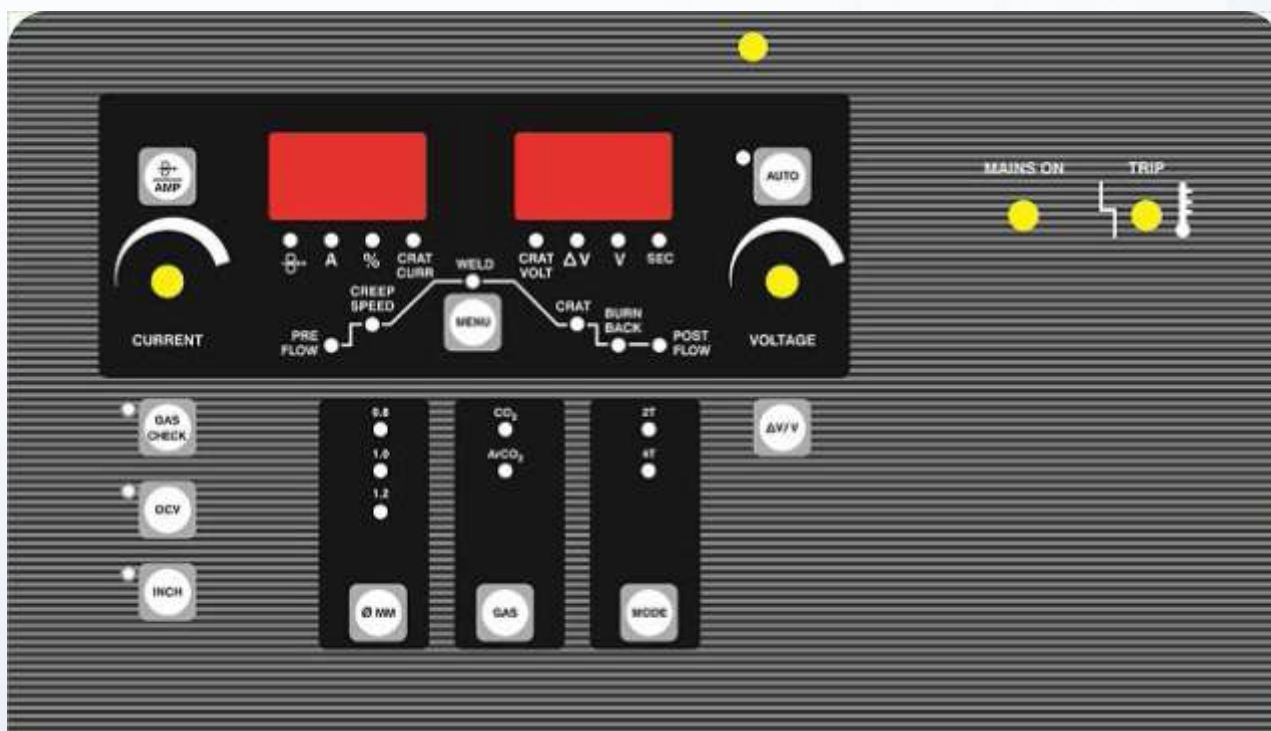
OMNIMIG 250



The new Inverter based Compact MIG Welder

FRONT CONTROL PANEL – OMNIMIG 250

Cont.



TECHNICAL SPECIFICATIONS – BUILT-IN WIRE FEEDER

Wire Feeder (built - in)		
Parameter	Unit	Value
Drive Unit	-	2 Roll PMDC Motor
Motor Voltage	Volt, Dc	42 V DC \pm 0.5 V
Rated Power	Watts	90 W
End Connection For Torch	-	Euro Type
Suitable For Wire Sizes	mm	0.8, 1.0, 1.2
Wire Drive Motor.	Type	Permanent Magnet DC Type With Encoder Feedback
Rated Power	Watts	
Wire Roll Drive	No	Four
Wire Feed Speed	Mtrs. / Min.	2-22 (For 0.8 mm Wire), 2-18 (For 1.0 mm Wire), 2-8 (For 1.2 mm Wire)

Cont.



OMNIMIG 250



The new Inverter based Compact MIG Welder

Cont.

TECHNICAL SPECIFICATIONS – WELDING TORCH

Mig Welding Torch		
Parameter	Unit	Value
Maximum Current @ 60% Duty Cycle	Amps	250 Amps With Co2 Gas, 200 Amps With Mixed Gas
Torch Cable Length	Meter	3
Torch Adapter	Type	Euro Type
Suitable For Wire Size Diameter	mm	0.8, 1.0, 1.2
Standard Accessories:		
Gas Hose With Both Side End Connectors		2 Mtr.

- **Warranty** : One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.

