

MIG/STICK WELDING EQUIPMENT »

alphaMIG 231ms



INDUSTRIAL FEATURES

- 230A MIG/180A DC STICK INVERTER WELDER WITH 50% DUTY CYCLE
- SPOT AND STITCH TIMERS FOR TACKING AND AUTOMOTIVE USE
- AUTO PRE AND FOST FLOW FOR MIG
- COLD WIRE FEED FUNCTION FOR INSTALLING WIRE
- GAS TEST FUNCTION FOR SETTING GAS FLOW RATE
- ADJUSTABLE MIG INDUCTANCE AND STICK ARC FORCE (DIG)
- MIG BURNBACK CONTROL
- 8" AND 12" DIAMETER WIRE SPOOL CAPACITY
- MIG SPOOL GUN CAPABLE
- EXCELLENT E 6010 STICK ARC PERFORMANCE
- STICK HOT START FUNCTION FOR IMPROVED ARC STRIKING
- OPERATES ON 240V OR 120V OUTPUT ($\pm 10\%$)



APPLICATIONS

- MOTOR SPORTS
- LIGHT FABRICATION/PROTOTYPING
- MAINTENANCE
- HOME/HOBBY
- PORTABLE REPAIR

- 3 Year Parts and Labor Warranty
- 1 Year Shipping Coverage

ONE FOR THE PROS

The alphaMIG 231ms is designed completely with the professional in mind. The unit has features that cater to pro level welding. For MIG the unit features Spot and Stitch Functions which help while doing rapid tacking or welding long thin seams in auto-body work.

The adjustable MIG inductance function helps to deliver the arc quality that the user needs or is used to. This helps to control puddle fluidity and dictates how crisp or soft the welding arc will be.

The Stick function is designed for the professional

welder who needs perfect arc performance while welding most any stick rod up to 5/32. With a special setting for E6010, even pipe welding is made easy. Add in pro-level functions such as arc force control to control the dig of the arc and hot start which helps arc initiation, this unit is setup for serious work.

Featuring a 50% duty cycle at maximum output in both MIG and Stick modes, this unit can weld all day, every day. With up to a 12" wire spool capacity and a 4 roller drive system, you can count on not having to stop every few minutes to change wire too.

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ALPHAMIG 231 SPECIFICATIONS

Voltage Input	120V/240V
Input Amperage 120V Inrush (I _{1MAX}), Rated Effective (I _{1EFF})	30A/22A
Input Amperage 240V Inrush (I _{1MAX}), Rated Effective (I _{1EFF})	38A/27A
MIG Output 120V	30-125A; 15.5-20.25V
MIG Output 240V	30-230A; 15.5-24.5V
Stick Output 120V	10-100A; 20.4-24V
Stick Output 240V	10-180V; 20.4-27.2V
120V Rated Duty Cycle at 40° C	MIG: 50% @ 125A STICK: 50% @ 100A
240V Rated Duty Cycle at 40° C	MIG: 50% @ 230A STICK: 50% @ 180A
OCV	60V
Pre/Post Flow	OFF/Auto Control
MIG Inductance	0-100%
MIG Burn Back Timer	0-2.0 Seconds
MIG Spot and Stitch Timer Function	Yes
Stick Arc Force Control	0-100%
Stick Hot Start	Yes, Time and Intensity Adjustments
Stick E6010 Capable	Yes, Dedicated function for all rods with cellulose-based flux
MIG Spool Size	8" and 12"
Drive Roll System	4 Roller, Cast Aluminum and Steel composition
Drive Roll Size/Type Included	.035"-.045" V groove installed .023-.030" V groove .035"-.045" Serrated Groove (Flux-Cored)
Spool Gun Compatible	Yes
2T/4T Operation	Yes
Unit Weight and Dimensions	65 lbs. 18"H X 11.25"W X 26"L
Plug Type and Length	NEMA 6-50P, 6.5 ft.
Generator Size and Type	9,500W Surge with 5% or less Total Harmonic Distortion (THD) (Generator must be clean power rated with low THD)

STANDARD PACKAGED ACCESSORIES



- MAIN UNIT
- 24 SERIES MIG TORCH 10 FT.
- 12" to 8" SPOOL ADAPTER
- 250A STICK ELECTRODE HOLDER 6 FT.
- 250A WORK CLAMP WITH 6 FT CABLE AND CONNECTOR
- BRASS FLOATING BALL GAS REGULATOR
- CONSUMABLE STARTER KIT
- 240V TO 120V INPUT PIGTAIL POWER ADAPTER (NEMA 6-50R TO 15-5P)

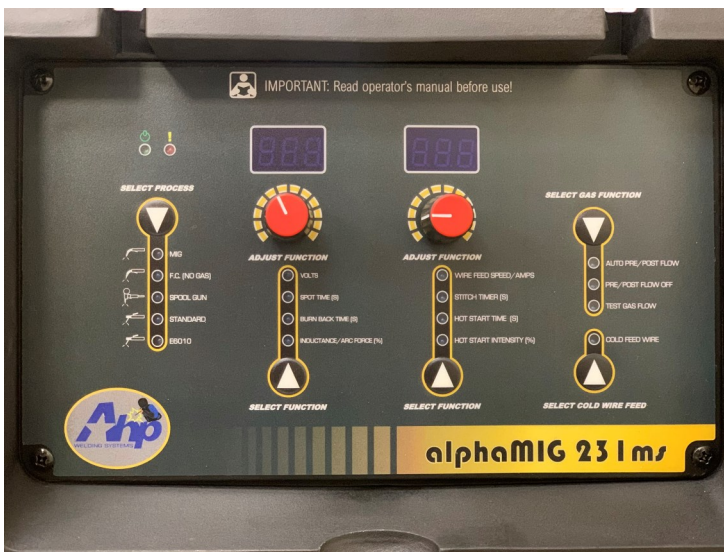
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SUGGESTED OPTIONAL ACCESSORIES

- 24 SERIES MIG GUN 15 FT. FOR WIRES .035" AND LARGER
- 200A AHP SPOOL GUN
- U-GROOVE (ALUMINUM) DRIVE ROLLS .035"- .045" RECOMMENDED
- POLY LINER FOR ALUMINUM FITS SERIES 24 GUNS 10 FT

OTHER VIEWS



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