



Synergic Inverter MIG welder

MIG160i

This versatile power source is suitable for various applications from general repairs to specific material types used in the body shop industry.

Features and Benefits

- Compact inverter-style wire fed synergic MIG welder
- Easy to read LCD display panel and single-knob for selection and adjustments
- Multiple synergic curves allow you to weld a variety of materials and thicknesses
- LCD screen shows welding parameters such as current, voltage, recommended thickness, wire speed and wire diameter



WARNING

- Welding and cutting produce heat, weld spatter, and hazardous vapors. Wear face shield, gloves, and protective clothing. Use only in a well-ventilated area. Do not allow bystanders in the area while welding or cutting. Read and follow all safety precautions in instructions. Welding or cutting byproducts can cause burns or other bodily injuries. Read additional safety warnings on pages W1 to W4 in Catalog 1200

Country of origin: Italy



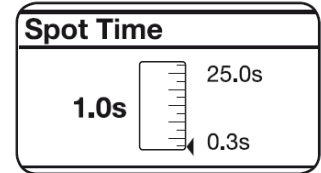
MIG160i

Applications

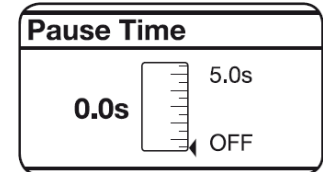
- MIG welds steel and stainless-steel
- MIG brazes high-strength and Boron steels
- Welds 5356 and 4047 aluminum (with optional torch kit)

More Features and Benefits

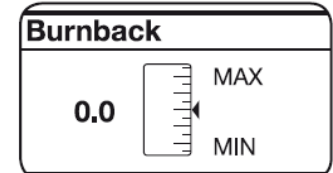
- Spot weld and pause features with adjustable on-time
- Adjustable arc length, inductance, burnback and soft arc starting
- Faster set up time and reduced production times



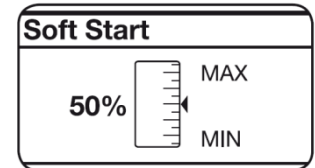
Spot 'on' time adjustment



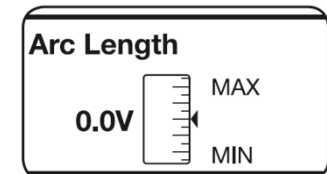
Pause time for stitch welding



Burnback adjustment



Wire start speed adjustment



Arc length to adjust bead width

DANGER



Electric welding or plasma cutting causes ultra violet rays, localized magnetic fields, sparks, weld spatter and hazardous vapors and may cause electrical shock
Bystanders will be exposed



Wear welding helmet with appropriate shade lens while welding or cutting.

Wear welding gloves and protective clothing.

Use only in a well-ventilated area.

Do not allow bystanders in the area while welding or cutting.

Do not operate this equipment if you have an implanted electromechanical device.

Never coil an electrode/torch lead around your body.

Read and follow all safety precautions in instructions.

Ultraviolet rays will burn eyes, and magnetic field may affect the operation of medical devices.

Weld spatter, electrical shock, or sparks can cause burns or other injuries.

Read additional safety warnings on pages W1 to W4 in Catalog 1200



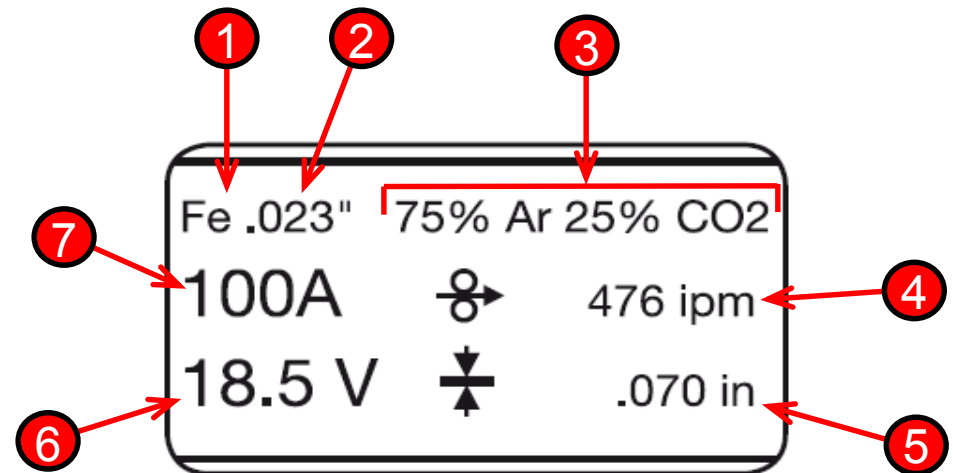


MIG160i

Synergic Curves and Material Settings

- Preset synergic curves automatically provide the proper settings to each individual situation
- By adjusting the material thickness, each of the preset parameters are automatically updated
- Individual welding parameters are preset by material, thickness, wire type and size along with shielding gas type
- Machine automatically sets heat, wire speed for multiple material thicknesses

- 1 Material type
- 2 Wire size
- 3 Shielding gas
- 4 Wire speed (in/min)
- 5 Material thickness
- 6 Voltage
- 7 Welding current (Amps)





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Specifications - Applications

Setting	Wire Dia	Composition	Shielding Gas	Material Thickness	Application
E71TGS	.035	Flux Core - Steel	none	.040 to .200	All-purpose steel welding from sheet metal to structural
Fe	.023	Steel	75% Argon 25%CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
Fe	.023	Steel	100% CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
Fe	.030	Steel	75% Argon 25%CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
Fe	.030	Steel	100% CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
Fe	.035	Steel	75% Argon 25%CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
Fe	.035	Steel	100% CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
Fe	.040	Steel	75% Argon 25%CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
Fe	.040	Steel	100% CO2	.023 to .200	All-purpose steel welding from thin sheet to structural
308L	.030	Stainless-Steel	98% Argon 2% CO2	.030 to .137	301, 302, 304 and 305 Stainless-Steels
308L	.035	Stainless-Steel	98% Argon 2% CO2	.030 to .137	301, 302, 304 and 305 Stainless-Steels
AlMg5 5356	.035	Aluminum Magnesium 5%	100% Argon	.030 to .240	All-purpose, automotive body panel and structural repair, pressure vessels boats and truck bodies
AlMg5 5356	.040	Aluminum Magnesium 5%	100% Argon	.030 to .240	All-purpose, automotive body panel and structural repair, pressure vessels boats and truck bodies
AlSi12 4047	.035	Aluminum Silicon 12%	100% Argon	.030 to .240	Welding forged and cast aluminum parts
AlSi12 4047	.040	Aluminum Silicon 12%	100% Argon	.030 to .240	Welding forged and cast aluminum parts
CuSi3 6560	.030	Copper Silicon 3%	100% Argon	.023 to .120	MIG brazing, automotive body panel and structural repair with high strength, Boron and galvanized steels
CuSi3 6560	.035	Copper Silicon 3%	100% Argon	.023 to .120	MIG brazing, automotive body panel and structural repair with high strength, Boron and galvanized steels





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Includes:

- MIG030 Contact Tip .030
- MIG1151 Tapered Nozzle
- MIG1603 Steel Liner
- MIG1154 Nozzle Spring Ring
- CKSB7123370 Torch Neck
- MIG1156 Diffuser
- MIG1605 Standard Torch
- CKSGRFM Flow Meter Regulator
- CKS246951 Drive Roller .023/.030
- CKS3080907 Drive Roller .035/.035 FLUX CORE

Optional Accessories

- MIG023 Contact Tip .023 – 10pk
- MIG035 Contact Tip .035 – 10pk
- MIG040 Contact Tip .040 – 10pk
- MIG035AL Contact Tip .035 Alum – 10pk
- MIG040AL Contact Tip .040 Alum – 10pk
- MIG1152 Spot Nozzle
- MIG1608 Heavy Duty Torch (for Flux Core Wire)
- MIG1606 Aluminum Torch and Wire Kit
- MIG160AK Liner Kit for Aluminum Wire
- CKS3080937 Drive Roller .035/.035 AL
- CKS3080917 Drive Roller .030/.040
- CKS3080942 Drive Roller .030 AL/.040 AL

Specifications

Input Voltage	230V
Frequency	50/60 Hz
Phase	Single
Current	20 A
Output Current Range	20-160A
Duty Cycle @ 100A	100%
Duty Cycle @110A	60%
Duty Cycle @160A	20%
Torch Cable Length	10 feet
Ground Cable Length	10 feet
Power Input Cord Length	9 feet
Unit Dimensions H x W x D (in)	15 x 8 x 16
Unit Weight	24 lbs
Shipping Weight	28 lbs

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