

Multimatic® 215

MIG/Multiprocess Power Source, Wire Feeder and Gun Package



Quick Specs

Light Industrial Applications

Light fabrication
Maintenance and repair
Auto body
Farm/home

Processes

MIG (GMAW)
Flux-cored (FCAW)
DC TIG (GTAW)
DC stick (SMAW)

Weld Thickness

MIG: 24 ga.–3/8 in. steel
18 ga.–3/8 in. aluminum
TIG: 24 ga.–1/4 in. steel
Stick: 16 ga.–3/8 in. steel

Input Power

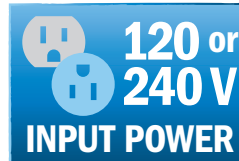
120 or 240 V

Input Hz

50/60 Hz

Input Phase

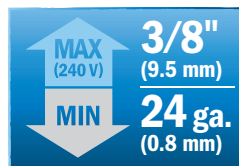
Single-phase



Uses 120- or 240-volt power



Portable



MIG weld capacity



Quick and easy setup

Multiprocess capabilities allow for MIG, flux-cored, DC TIG and DC stick welding.



Intuitive color LCD user interface makes it quick and easy to adjust parameters.

Auto-Set™ Elite can be used on multiple materials and multiple processes with the ability to fine-tune your settings. Easy to set up and use.

Multi-voltage plug (MVP™) allows you to connect to 120 or 240 V power receptacles without the use of any tools—choose the plug that fits the receptacle and connect it to the power cord.

Angled wire drive with Quick Select™ drive roll for smooth feeding and quick wire changes.

Smooth-Start™ for consistently smooth, spatter-free MIG starts.

Auto Spool Gun Detect™ automatically detects when a MIG gun or spool gun is connected eliminating the need for a switch.

Fan-On-Demand™ power source cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.

Thermal overload protection automatically shuts the power source down if airflow through the unit is blocked or the duty cycle is exceeded.



Welder is warranted for three years, parts and labor.
Gun warranted for 90 days, parts and labor.

Comes complete with:

- Power source
- 6.5 ft. (2 m) power cord with MVP plugs for 120 V and 240 V
- 10 ft. (3 m) M-100 MIG gun and cable assembly
- 13 ft. (4 m) cable electrode holder and 25 mm Dinse-style connector
- 10 ft. (3 m) work cable with clamp and 25 mm Dinse-style connector
- Flow gauge regulator and gas hose for argon and AR/CO₂ mix
- Hobart® spool of .030 in. (0.8 mm) solid wire
- Two contact tips for .030 in. (0.8 mm) wire
- Quick Select™ drive roll for .024 in. (0.6 mm) or .030/.035 in. (0.8/0.9 mm) solid wire, and .030/.035 in. (0.8/0.9 mm) flux-cored wire
- Material thickness gauge ▶ 229895
- Hook-and-loop cord wraps

Note: Shielding gas and safety equipment not included.



Miller Electric Mfg. LLC
An ITW Welding Company
1635 West Spencer Street
P.O. Box 1079
Appleton, WI 54912-1079 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

MillerWelds.com
f t y i n



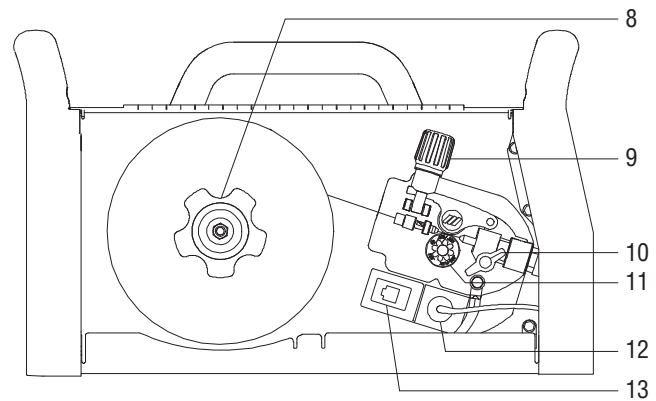
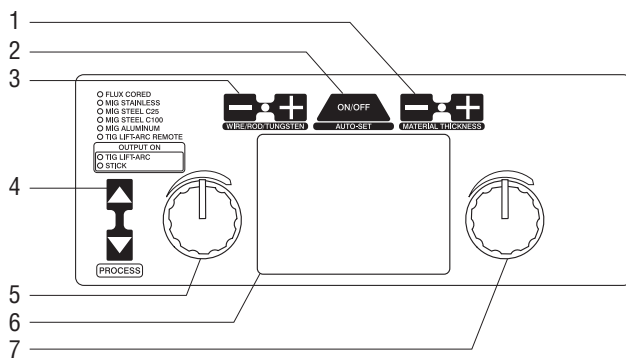
Specifications (Subject to change without notice.)



Welding Mode/Process	Input Power	Welding Amperage Range	Rated Output	Amps Input at Rated Output, 50/60 Hz				Wire Feed Speed	Max. Open-Circuit Voltage	Dimensions	Net Weight
				120 V	240 V	KVA	KW				
CV: MIG/flux-cored	120 V	30–125 A	110 A at 19.5 V, 60% duty cycle	23	—	2.8	2.8	60–600 ipm (1.5–15.2 m/min.)	58 VDC	H: 12.5 in. (318 mm) W: 11.25 in. (286 mm) D: 20.5 in. (521 mm)	38 lb. (17.2 kg)
	240 V	30–230 A	200 A at 24 V, 20% duty cycle	—	25.8	6.2	6.2				
			150 A at 21.5 V, 40% duty cycle	—	16.7	4.0	4.0				
CC: TIG	120 V	20–150 A	140 A at 15.6 V, 40% duty cycle	24.6	—	3	3	—	58 VDC		
	240 V	20–210 A	190 A at 17.6 V, 20% duty cycle	—	18	6.7	6.7				
CC: Stick	120 V	30–100 A	90 A at 23.6 V, 40% duty cycle	22.7	—	2.7	2.7				
	240 V	30–200 A	190 A at 27.6 V, 20% duty cycle	—	27	6.5	6.5				

Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Control Panel

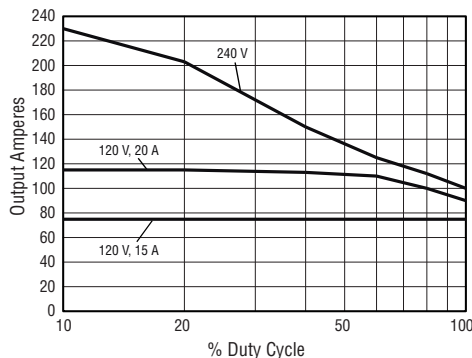


- Material Thickness Buttons
- Auto-Set™ Button
- Wire/Tungsten Diameter and Stick Rod Type Buttons
- Process Selection Buttons
- Adjustment Knob
- LCD Display Panel
- Adjustment Knob
- Plastic Hub with Retaining Ring for 8-inch Spools (shaft also accepts 4-inch spools)
- Calibrated Tension Knob
- T-Knob (secures gun)
- Drive Roll
- Trigger Control Connector
- RJ45 Port (TIG Remote)

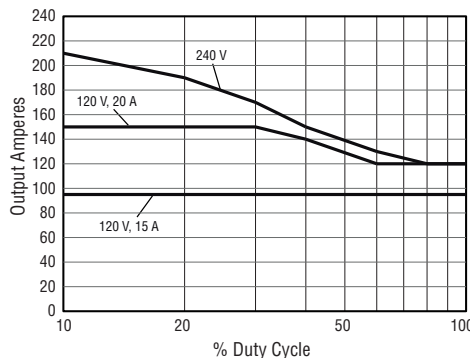
Note: Power switch and gas solenoid are on power source rear panel.

Performance Data

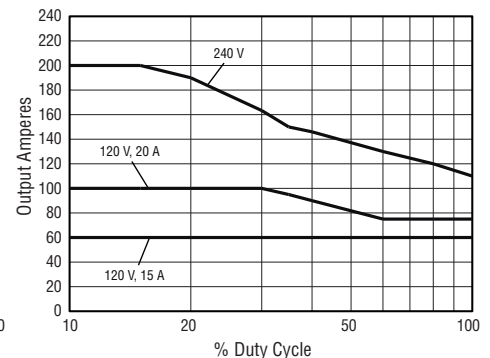
MIG Duty Cycle Chart



TIG Duty Cycle Chart



Stick Duty Cycle Chart



Genuine Miller® Accessories

Replacement/Optional MIG Gun

M-100 (Standard)
248282 10 ft. (3 m)

M-150 (Optional)
249040 12 ft. (3.7 m)
249041 15 ft. (4.5 m)

All ship with liner 194011.



Spoolmate™ 100 Spool Gun 300371
Direct-connect spool gun handles .030-.035 inch (0.8-0.9 mm)

aluminum (4043 only) and .023-.035 inch (0.6-0.9 mm) steel/stainless steel wires. Rated at 135 amps, 30-percent duty cycle. Includes 12-foot (3.7 m) cable assembly and custom carrying case.



Spoolmate™ 150 Spool Gun 301272
Direct-connect spool gun handles .030-.035 inch (0.8-0.9 mm)

4000/5000 series aluminum and .023-.035 inch (0.6-0.9 mm) steel/stainless steel wires. Rated at 150 amps, 60-percent duty cycle. Includes 20-foot (6.1 m) cable assembly.



TIG Kit 301337

Kits comes complete with everything needed to TIG weld with the Multimatic 215. Includes Weldcraft™ A-150 TIG torch with flow-through Dinse-style connector, RFCS-RJ45 foot control, flow gauge regulator with 12-foot (3.7 m) gas hose, and AK2C torch accessory kit.

AK2C Accessory Kit

Includes one short back cap, one of each size (4, 5, 6) alumina nozzle, and one of each size (.040, 1/16, 3/32 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode. *Order from Miller Service Parts.*

Weldcraft™ A-150 (WP-17) TIG Torch WP1712RDI25 (12.5 ft.)

150-amp air-cooled torch with 25 mm flow-through Dinse-style connector.



RCCS-RJ45 Remote Contactor and Current Control 301146

North/south rotary-motion fingertip current and contactor control attaches to TIG torch using two hook-and-loop fasteners. Includes 13.25-foot (4 m) cord with plug.

RJ45 to 14-Pin Adapter Cord 300688

12-inch (305 mm) cord adapts RJ45 port to a 14-pin plug.



Protective Cover 301262



Dual Cylinder Rack Cart 951770

Package consists of both running gear/cylinder rack 301239 and dual cylinder rack conversion kit 301454. Cart features durable construction with rubber rear wheels, convenient front handles, cable holders, plastic consumable box, and dual cylinder rack with tool holder. Holds two cylinders, each gas cylinder should be no greater than 7 inches (178 mm) in diameter or 65 pounds (29.5 kg) in weight. For use with Millermatic® 141, 190, 211, Multimatic® 200, 215 and Diversion™.

Consumables (Order from Miller Service Parts.)

For M-100/M-150 Gun



Contact Tips

087299 .024 in. (0.6 mm)
000067 .030 in. (0.8 mm)
000068 .035 in. (0.9 mm)
000069 .045 in. (1.2 mm)



Contact Tip Adapter 169716



Replacement Liners

194010 .024 in.
194011 .030-.035 in. (standard)
194012 .035-.045 in.
15-foot length — trim to size needed.



Nozzle 169715

1/2-inch (13 mm) diameter orifice. Nozzle flush with contact tip (standard).



Gasless Flux-Cored Nozzle 226190

For M-100 gun only.

For use with self-shielding flux-cored wires. Improves visibility, eases access in tight corners, protects tip adapter/gas diffuser from spatter and from shorting to the workpiece.



Drive Rolls

Quick Select™ 261157

For .024-inch (0.6 mm) or .030/.035-inch (0.8/0.9 mm) solid wire, and .030/.035-inch (0.8/0.9 mm) flux-cored wire.

Dual Groove, V-Knurled 202926

For .030/.035-inch (0.8/0.9 mm) or .045-inch (1.2 mm) flux-cored wire.



M-Series Gun Consumable Kits

234607 .024 in. (0.6 mm)

234608 .030 in. (0.8 mm)

234609 .035 in. (0.9 mm)

Each kit contains ten contact tips, one nozzle, and one contact tip adapter.

Consumables (Continued – Order from Miller Service Parts.)

For Spoolmate™ 100 Spool Gun



Contact Tips (5 per package)
199730 .024 in. (0.6 mm)
186419 .030 in. (0.8 mm)
186406 .035 in. (0.9 mm)

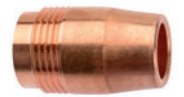


Nozzle 186405

For Spoolmate™ 150 Spool Gun



Contact Tips (5 per package)
199387 .030 in. (0.8 mm)
199388 .035 in. (0.9 mm)



Nozzle 050622

For Both Spool Guns



Drive Roll (1) 186413
 For .030/.035-inch
 (0.8/0.9 mm) wire.



Push Roll (1) 186414
 For .030/.035-inch
 (0.8/0.9 mm) wire.

Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
Multimatic® 215	907693	120/240 V, 50/60 Hz		
Multimatic® 215 with TIG Kit	951674	Power source packaged with packaged with 301337 TIG kit		
Guns				
M-100 Gun (Standard)	248282	10 ft. (3 m), .030–.035 in. (0.8–0.9 mm)		
M-150 Gun (Optional)	249040	12 ft. (3.7 m), .030–.035 in. (0.8–0.9 mm)		
	249041	15 ft. (4.5 m), .030–.035 in. (0.8–0.9 mm)		
Spoolmate™ 100 Spool Gun	300371	12 ft. (3.7 m). Includes custom carrying case		
Spoolmate™ 150 Spool Gun	301272	20 ft. (6.1 m)		
Accessories				
TIG Kit	301337	Includes Weldcraft™ A-150 TIG torch with Dinse-style connector, RFCS-RJ45 foot pedal, flow gauge regulator with 12 ft. (3.7 m) gas hose, and AK2C torch accessory kit		
Weldcraft™ A-150 (WP-17) TIG Torch	WP1712RDI25	12.5 ft. (3.8 m) cable		
RCCS-RJ45	301146	Remote fingertip current and contactor control		
RJ45 to 14-Pin Adapter Cord	300688	12 in. (305 mm) cord adapts RJ45 port to a 14-pin plug		
Protective Cover	301262			
Running Gear/Cylinder Rack	301239			
Dual Cylinder Rack Conversion Kit and Tool Holder	301454			
Material Thickness Gauge	229895			
Flux-Cored Wire				
Solid Wire				
Available through Miller Service Parts				
Flow Gauge Regulator for Argon or AR/CO ₂ Mix	268546	Replacement standard regulator		
Flow Gauge Regulator for CO ₂	212492	Required if using 100-percent CO ₂ gas		
Replacement Screen Cover	271493	Replacement cover for LCD display panel		
Contact Tips		See page 3 and above		
Contact Tip Adapter	169716	For M-100 and M-150 guns		
Replacement Liners		See page 3		
Nozzles		See page 3 and above		
Gasless Flux-Cored Nozzle	226190	For M-100 gun		
Drive Rolls		See page 3 and above		
M-Series Gun Consumable Kits		See page 3		
Weldcraft™ AK2C Accessory Kit	AK2C	Includes one short back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, 1/16, 3/32 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode		

Date:

Total Quoted Price:

Distributed by:

