

Thunderbolt® 160 and 210

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Stick Welding
Power Source



Quick Specs

Light Industrial Applications

Garage/job shops
Farm/ranch
Maintenance repair
Light production-line work
Shipyard install/repair

Process* DC stick (SMAW)

Input Power 1-phase power

Max. Open-Circuit Voltage

160: 91 V

210: 85 V

Amperage Range

160: 20–80 A (120 V)

20–160 A (240 V)

210: 25–210 A (240 V)

Mild Steel

Thickness Range

160: 1/16 – 1/8 in. (120 V)

1/16 – 5/32 in. (240 V)

210: 1/16 – 3/16 in. (240 V)

**Best-of-class dependable,
portable, powerful stick welder.**

Nearly 100 pounds lighter so you can work smarter not harder by bringing the welder to the work. It's portable so it's easier to carry and store.

More powerful — up to 85 more amps — compared to leading competitive machine means you can weld thicker materials.

Hot Start™ technology provides easy, quick and reliable arc starts.

Precise, accurate, infinite amperage control and heat output.

Thunderbolt 160 model features dual voltage with **multi-voltage plug (MVP™)**. Allows for connection to 120- or 240-volt receptacles without tools. Choose the plug that fits the receptacle and connect it to the power cord.

Comes with:

- 10 ft. (3 m) No. 4 electrode cable with heavy-duty electrode holder
- 10 ft. (3 m) work cable with clamp
- 6.5 ft. (2 m) power cord with MVP™ plugs for 120 V and 240 V (160 model) **OR** 240 V plug (210 model)
- Cable pouch



Thunderbolt 160 shown.

**120 or
240 V
INPUT POWER**

Thunderbolt 160 only

**NEARLY
100lb.
LIGHTER
AND MORE POWER**

Compared to leading competitive machine

Specifications (Subject to change without notice.)

CC **DC** **1**
Phase

Model	Input Power	Welding Amperage Range	Rated Output	Amps Input at Rated Output	Max. Open-Circuit Voltage	Dimensions	Net Weight
Thunderbolt 160	120 V, 50/60 Hz	20–80 A	65 A at 20% duty cycle	20.7	91 V	H: 10.5 in. (267 mm) W: 7.125 in. (181 mm) D: 13.375 in. (340 mm)	15 lb. (6.8 kg)
	240 V, 50/60 Hz	20–160 A	160 A at 30% duty cycle	27.8			
Thunderbolt 210	240 V, 50/60 Hz	25–210 A	210 A at 20% duty cycle	43.4	85 V		15.5 lb. (7.0 kg)



Conforms to ANSI/IEC Std. 60974-1.
Conforms to CSA Std. E60974-1.

TRUE BLUE®
3YR. WARRANTY

Power source is warranted for three years, parts and labor.
Original main power rectifiers are warranted for five years.

weldfabulous.com

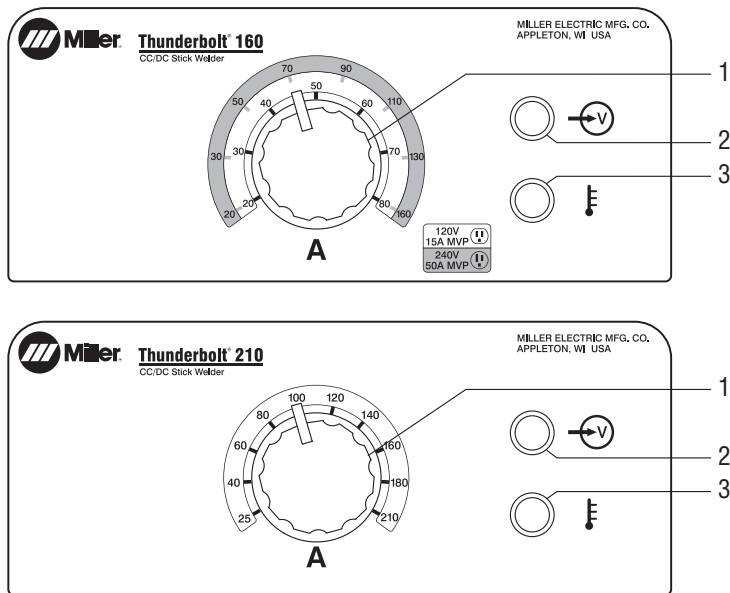
A Division of Mississippi Welders Supply Co., Inc.
Veteran Owned Small Business



5150 West 6th Street, Winona, MN 55987
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Control Panel



1. Amperage Adjustment Control
2. Power Indicator Light
3. Overtemperature Light

Electrode Charts

Electrode Polarity Chart

Electrode	DC*	AC	Position	Penetration	Usage
6010	EP	—	All	Deep	Min. prep, rough, high spatter
6011	EP	✓	All	Deep	General
6013	EP, EN	✓	All	Low	Smooth, easy, fast
7014	EP, EN	✓	All	Med.	Low hydrogen, strong
7018	EP	✓	All	Low	Smooth, easy, faster
7024	EP, EN	✓	Flat horiz. fillet	Low	Cast iron
Ni-Cr	EP	✓	All	Low	Stainless
308L	EP	✓	All	Low	Stainless

Ideal performance for most 6010, 6011, 6013 and 7018 rods.

Note: 6010 not recommended for open root welding.

Thunderbolt 160

120 V: 1/16–1/8 in. (some limitations with 3/32-inch rods and very limited with 1/8-inch rods based on rod/amperage)

240 V: 1/16–5/32 in. (some limitations with 5/32-inch rods based on amperage)

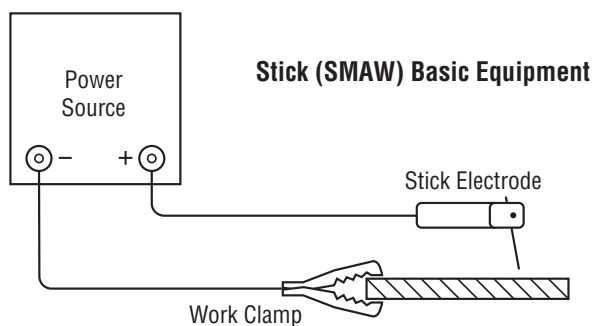
Thunderbolt 210

1/16–3/16 in. (some limitations with 3/16-inch rods based on amperage)

Electrode/Amperage Chart

Electrode	Diameter		Amperage Range				
	in.	mm	Min.	50 A	100 A	150 A	200 A Max.
6010 and 6011	3/32	2.4					
	1/8	3.2					
	5/32	4.0					
6013	3/16	4.8					
	1/16	1.6					
	5/64	2.0					
6013	3/32	2.4					
	1/8	3.2					
	5/32	4.0					
7014	3/16	4.8					
	3/32	2.4					
	1/8	3.2					
7018	5/32	4.0					
	3/32	2.4					
	1/8	3.2					
7024	5/32	4.0					
	3/32	2.4					
	1/8	3.2					
Ni-Cr	5/32	4.0					
	3/16	4.8					
	3/32	2.4					
308L	1/8	3.2					
	3/32	2.4					
	5/32	4.0					

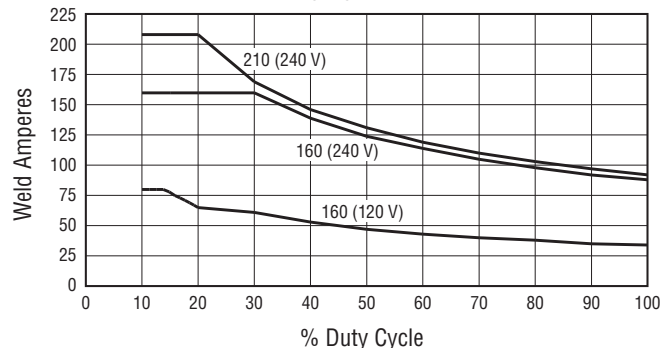
Typical Installation (DCEP)



Note: Also DCEN polarity capable.

Performance Data

Duty Cycle Chart



** DC TIG capable.*

Ordering Information

Power Source	Stock No.	Description	Qty.	Price
Thunderbolt® 160	907721	Single-phase, 120 and 240 V		
Thunderbolt® 210	907722	Single-phase, 240 V		
Accessories				
Stick Electrodes		See charts above		
Helmet/Gloves/Scratch Brush				
Chipping Slag Hammer				
Wall Receptacle				