

Maxstar® 210 DX

**TIG/Stick Welding
Power Source**


Quick Specs



Industrial Applications

Precision fabrication
Petro chemical
Aerospace
Food/beverage industry
Dairy
Shipboard

Processes

DC TIG (GTAW)
Pulsed TIG (GTAW-P)
Stick (SMAW)

Input Power 120–480 V, 1-phase or 3-phase power

Amperage Range 1–210 A (DC)

Rated Output 210 A at 18 V, 60% duty cycle

Net Weight 17.2 kg (38 lb.)

Upgradeable and expandable. Front-panel memory-card data port provides the ability to easily upgrade software and expand product features.

Pro-Set™ eliminates the guesswork when setting weld parameters. Use Pro-Set when you want the speed, convenience and confidence of preset controls. Simply select the feature and adjust until Pro-Set appears on the display.

Sleep timer conserves electricity by powering down the machine if it sits idle for a specific time.

Auto-Line™ power management technology allows for any input voltage hookup (120–480 V) with no manual linking.

Blue Lightning™ high-frequency (HF) arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability compared to traditional HF arc starters.

Meter calibration allows digital meters to be calibrated for certification.

Wind Tunnel Technology™ protects internal electrical components from airborne contaminants, extending the product life.



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



Power source is warranted for three years, parts and labour.

Comes complete with:

- Power source
- 2.4-meter (8 ft.) power cord
- Gas connection kit

DC TIG Features

Pulse. Pulsing can increase puddle agitation, arc stability and travel speeds while reducing heat input and distortion.

Exceptionally smooth and precise arc for welding exotic materials.

DC Stick Features

DIG control allows the arc characteristics to be changed for specific applications and electrodes. Lower the DIG setting for smooth running electrodes like E7018 and increase the DIG setting for stiffer, more penetrating electrodes like E6010.

Hot Start™ adaptive control provides positive arc starts without sticking.

Stick-Stuck detects if the electrode is stuck to the part and turns the welding output off to safely and easily remove the electrode.

Specifications (Subject to change without notice.)



Welding Mode	Input Power	Welding Amperage Range	Rated Output at 60% Duty Cycle	Phase	Amps Input at Rated Load Output, 50/60 Hz							Max. Open-Circuit Voltage	Dimensions	Net Weight		
					120 V	208 V	240 V	400 V	480 V	KVA	KW					
TIG (GTAW)	208–480 V	1–210 A	210 A at 18.4 V	3-phase	—	14	12	7	6	5.2	4.9	80 VDC (11 VDC*)	H: 346 mm (13.6 in.) W: 219 mm (8.6 in.) D: 495 mm (19.5 in.)	17.2 kg (38 lb.)		
				1-phase	—	24	20	12	10	4.9	4.9					
	120 V	1–210 A	125 A at 15 V	1-phase	22	—	—	—	—	2.6	2.6					
Stick (SMAW)	208–480 V	5–210 A	160 A at 26.4 V	3-phase	—	15	13	8	6	5.5	5.2					
				1-phase	—	26	22	13	11	5.3	5.3					
	120 V	5–100 A	90 A at 23.6 V	1-phase	23	—	—	—	—	2.8	2.8					

* Low OCV sense voltage for stick and Lift-Arc™ TIG.

Certified by Canadian Standards Association to both the Canadian and U.S. Standards. All CE models conform to the applicable parts of the IEC 60974 series of standards.

IP23 rating—This equipment is designed for outdoor use. It may be stored, but is not intended to be used outside during precipitation unless sheltered. Operating temperature range is -10 to 40°C (14 to 104°F). Storage temperature range is -30 to 65°C (-22 to 149°F). Portions of the preceding text are contained in EN 60974-1: "Welding power sources for arc welding equipment."



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Genuine Miller® Accessories



Small Runner Cart 301318

Designed for Maxstar 210/280, Dynasty 210/280, STH 270 and STi 270, with or without cooler. Cart features single cylinder rack, cable holder and foot pedal holder.



MH Running Gear 018035026

Designed for Maxstar 210/280, Dynasty 210/280, STH 270 and STi 270, with or without cooler. Easy-to-manuever two-wheel cart with single cylinder rack, cable holder and storage area.

Memory Cards

Memory Card Expansion

- 301151** 14-Pin Automation Expansion
- 301152** 14-Pin Modbus® Expansion
- 301328** Hot Wire Power Supply Expansion

Memory Card (Blank) 301080

Blank memory card for transferring data from computer to machine.

Remote Controls and Switches



Wireless Remote Foot Control 300429

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine.



RFCS-14 HD Foot Control 194744

Maximum flexibility is accomplished with a reconfigurable cord that can exit the front, back or either side of the pedal. Provides remote current and contactor control.



RCC-14 Remote Contactor and Current Control 151086

14-pin plug Side-to-side rotary-motion fingertip control fastens to TIG torch using two hook-and-loop straps.



RCCS-14 Remote Contactor and Current Control 043688

14-pin plug Up-and-down rotary-motion fingertip control fastens to TIG torch using two hook-and-loop straps.



SHRC-14 Remote Control

058040019 5 m (16.4 ft.)

058040020 10 m (32.8 ft.)

058040021 20 m (65.6 ft.)

Single-hand control for current only.



RHC-14 Hand Control 242211020

Miniature hand control for remote current and contactor control.



Wireless Remote Hand Control 300430

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine.



RMS-14 On/Off Control 187208

Momentary-contact switch for contactor control. Rubber-covered pushbutton dome switch ideal for repetitive on-off applications.

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Maxstar® 210 DX	907684001	Auto-Line™ 120–480 V, 50/60 Hz, CE. 2.4 m (8 ft.) power cord		
Accessories				
Small Runner Cart	301318			
MH Running Gear	018035026	MH two-wheeled cart with cylinder rack		
Memory Card Expansion	301151 301152 301328	14-pin automation expansion 14-pin Modbus® expansion Hot wire power supply expansion		
Memory Card (Blank)	301080			
Welding Cable Kit, Stick	058066040	200 A, 35 mmq, 5 m (16.4 ft.)		
Work Piece Cable	057014148 057014149	300 A, 50 mmq, 3 m (9.8 ft.) 300 A, 50 mmq, 5 m (16.4 ft.)		
TIG Torch				
Tungsten				
Gas Hose				
Remote Controls				
Wireless Remote Foot Control	300429	Foot control with wireless 27.4 m (90 ft.) operating range		
RFCS-14 HD	194744	6 m (20 ft.), heavy-duty foot control		
RCC-14	151086	8 m (26.5 ft.), remote current/contactor side-to-side rotary control		
RCCS-14	043688	8 m (26.5 ft.), remote current/contactor up-and-down rotary control		
SRHC-14	058040019 058040020 058040021	5 m (16.4 ft.), single-hand remote control for current only 10 m (32.8 ft.), single-hand remote control for current only 20 m (65.6 ft.), single-hand remote control for current only		
RHC-14	242211020	6 m (20 ft.), remote current/contactor hand control		
Wireless Remote Hand Control	300430	Hand control with wireless 91.4 m (300 ft.) operating range		
RMS-14	187208	8 m (26.5 ft.), momentary-contact switch for contactor control		

Date:

Total Quoted Price:

Distributed by:

