

**TIG** [GTAW]

Maxstar® 200 Series

See Literature No. DC/32.0

Industry standard — Miller Electric pioneered the Maxstar-type market, now we've perfected it. Maxstar 200 Series provides a solution for every user's needs; from simple to fully automated.



Maxstar 200 DX



Maxstar 200 LX



Maxstar 200 SD



Allows for any input voltage hook-up (120–460 V, single- or three-phase) with no manual linking, providing convenience in any job setting.

Programmable HF start parameters allows the operator to independently set HF starting conditions based upon electrode diameter and material thickness for each application.

Low OCV Stick™ is a simple design that reduces open-circuit voltage to 9–14 VDC when power source is not in use. This built-in circuit design eliminates the need for add-on voltage reducers.

Portable in the shop or at the job site — at 37 lb the unit is easily moved from location to location.

Superior TIG/Stick arc performance on all input voltages. Even on the difficult to run electrodes like E6010.

Inverter-based, DC power source has state-of-the-art operator interface allowing the user extra set-up capabilities in a compact machine. Features more precise control of output parameters than traditional knobs and switches.

HF arc starting provides non-contact arc starting that eliminates tungsten or material contamination.

Lift-Arc™ start provides TIG arc starting without use of high frequency.

Industrial ● Heavy Industrial ●

CC DC 3 1
Phase Phase

Processes

- TIG (GTAW) (Welds up to 1/4 in)
- Pulsed TIG (GTAW-P) with DX and LX models
- Stick (SMAW)

Three Models Available

SD: Basic features required for most DC TIG or Stick welding applications.

DX: When the job demands greater control the DX provides pulse on/off, pulse frequency, peak % time, background amperage, initial amperage, initial slope time, final slope time and final amperage control.

LX: Automation made simple. With Automation Interface Connector, the integrator quickly interfaces to output disable, weld start/stop, gas start/stop inputs; valid arc, pulse lock out, and end of weld sequence outputs.

Comes With

- Air-cooled TIG torch adapter #195 378
- (2) 50 mm Dinse international-style power cable connectors

Most Popular Accessories

- Universal Cart and Cylinder Rack #042 934 (pg 79)
- Coolmate™ Coolant System (pg 80)
- TIG Torch Adapters (pg 82)



- Contractor Kits (pg 85)
- Protective Cover #195 321 (pg 85)
- RCCS-14 #043 688 (pg 86)
- RFCS-14 HD #194 744 (pg 86)
- RMS-14 #187 208 (pg 86)

See your Miller distributor for other popular Miller options and accessories.

*Sense voltage for Stick and Lift-Arc™ TIG.

Model/ Stock Number	Welding Mode	Input Power	Welding Amperage Range	Rated Output	Amps Input at Rated Load Output, 50/60 Hz								KVA	KW	Max. Open- Circuit Voltage	Dimensions	Net Weight
Maxstar 200 SD (#903 701)	TIG	Three-Phase	1–200	175 A at 17 V, 60% Duty Cycle	—	12.1	10.5	6.0	5.3	5.2	4.2	4.0	—	—	70 VDC (9–14 VDC*)	H: 13½ in (343 mm) W: 7½ in (191 mm) D: 17½ in (445 mm)	37 lb (16.8 kg)
		Single-Phase	1–200 (1–150 on 120 V)	175 A at 17 V, 60% Duty Cycle	—	19.9	17.4	—	—	—	4.0	4.0	—	—			
				150 A at 16 V, 70% Duty Cycle	29.7	17.1	14.1	—	—	—	3.4	3.4	—	—			
Maxstar 200 DX (#903 701-01-1)	TIG	Single-Phase	1–200 (1–150 on 120 V)	110 A at 15 V, 100% Duty Cycle	20.0	—	—	—	—	—	2.0	2.0	—	—			
				150 A at 26 V, 60% Duty Cycle	—	14.7	13.1	7.4	6.6	6.4	5.2	5.0	—	—			
				150 A at 26 V, 60% Duty Cycle	—	24.9	21.7	—	—	—	5.0	5.0	—	—			
Maxstar 200 LX (#903 701-01-2)	TIG	Single-Phase	1–200 (1–90 on 120 V)	125 A at 25 V, 50% Duty Cycle	34.1	—	—	—	—	—	4.0	3.8	—	—			
				90 A at 24 V, 100% Duty Cycle	25.0	—	—	—	—	—	4.0	3.8	—	—			
				—	—	—	—	—	—	—	—	—	—	—			