



ARC & TIG

CC

DC

1
Phase

3
Phase



Maxstar® 210DX

Part No: MR907684001-1

Auto-Line Technology

FOR DC TIG & STICK WELDING. FOR WELDING STEEL, STAINLESS STEEL, COPPER, TITANIUM. TIG PULSE TO CONTROL HEAT INPUT & DISTORTION.



DC TIG FEATURES

EXCEPTIONALLY SMOOTH AND PRECISE ARC

For welding exotic materials.

PULSE

Pulsing can increase puddle agitation, arc stability and travel speeds while reducing heat input and distortion. DX models provide extended ranges.

DC STICK FEATURES

DIG CONTROL

Allows the arc characteristics to be changed for specific applications and electrodes. Lower 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 safety and easily remove the electrode. Menu selectable.



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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 display.

BLUE LIGHTNING™

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.

UPDATE AND EXPAND

Front panel memory data card port provides the ability to easily update software and expand product features.

SLEEP TIMER

The sleep times conserves electricity. This programmable feature will power down the machine if it sits idle for a specified time.

FAN-ON-DEMAND™

Variable speed fan adjusts to match cooling requirements - reducing noise, energy use and the amount of contaminants pulled through the machine.

APPLICATIONS	PROCESSES
Precision Fabrication	TIG (GTAW)
Petro Chemical	Pulsed TIG (GTAW-P)
Food & Beverage Industry	Stick (MMAW)
Dairy	
Shipboard	
Aerospace	

AUTO-LINE POWER MANAGEMENT TECHNOLOGY

Allows for any input Voltage hookup (210-480 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

RATED FOR USE FROM 15 AMP PLUG

Supply cable will need to be replaced to suit an Australian 15 Amp supply.

WIND TUNNEL TECHNOLOGY™

Protects internal components from airborne contaminants, extending product life.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

WELD MODE	RATED OUTPUT	AMPS INPUT AT RATED LOAD OUTPUT, 50/60 HZ				KVA	KW	OPEN CIRCUIT	DIM. (MM)	WEIGHT
		240 V 1 Phase	400 V 1 Phase	480 V 1 Phase	400 V 3 Phase					
TIG (GTAW)	210 A at 18.4 V, 55% Duty Cycle	30	-	-	-	5.0	4.9	80 OCV (11 VRD*)	H: 346 W: 219 D: 495	17.2kg
	145 A at 15.8 V, 100% Duty Cycle	15	-	-	-					
	210 A at 18.4 V, 60% Duty Cycle	-	18	18	11	5.0	4.9			
	175 A at 17 V, 100% Duty Cycle	-	10	10	6					
Stick (MMAW)	210 A at 28.4 V, 25% Duty Cycle	30	-	-	-	7.4	7.3			
	110 A at 24.4 V, 100% Duty Cycle	15	-	-	-					
	210 A at 28.4 V, 30% Duty Cycle	-	18	15	11	7.4	7.1			
	125 A at 25 V, 100% Duty Cycle	-	10	8	6					

*Low VRD sense voltage for Stick and Lift-Arc™ TIG. 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. Storage temperature range is 30 to 65° C. Portions of the preceding text are contained in EN 60974-1: "Welding power sources for arc welding equipment."

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ORDERING INFORMATION - AVAILABLE BASE PACKAGES

AIR-COOLED SET UP

POWER SOURCE

MR907684001-1 Maxstar® 210DX

REQUIRED ACCESSORIES

KIT0006 Air-Cooled TIG Kit

WGAK3 Torch Accessory Kit

WATER-COOLED SET UP

POWER SOURCE

MR907684001-1 Maxstar® 210DX

REQUIRED ACCESSORIES

MR300972 Coolmate 1.3

MR043810 Coolant

KIT0008 Water-Cooled TIG Kit

WGAK3 Torch Accessory Kit

STICK WELDING ADDITION

AA73-1/5 MMAW Lead Kit

OPTIONAL ACCESSORIES

TIG005 TIG Torch Water-Cooled (Note: Not required if ordering KIT0008)

TIG006 TIG Torch Air-Cooled (Note: Not required if ordering KIT0006)

HA801AR Argon regulator & flow gauge (Note: Not required if ordering KIT0006 or KIT0008)

MR187208 RMS-14 momentary push button 8m (Note: Not required if ordering KIT0006)

MR151086 RCC-14 TIG remote fingertip current control (Note: Not required if ordering KIT0006)

MR195377 Water-cooled torch dinse adaptor (Note: Not required if ordering KIT0008)

MR242211020 RHC-14 Remote Hand Current control 6m

MR300430 Wireless hand control & 14 pin receiver

MR300429 Wireless foot control & 14 pin receiver

MR301318 Small Runner™ cart to suit Dynasty/Maxstar 210DX & 280DX