

Diversion™ 180 AC/DC TIG

See literature AD/1.5

Professional-grade arc in a package designed specifically for personal users. Contains all of the features you need — simplicity combined with superior performance and value.



TIG Welding Capability

Max. 3/16 in. (4.8 mm)	Max. 3/16 in. (4.8 mm)
Steel	Aluminum
Min. 0.025 in. (0.6 mm)	Min. 0.030 in. (0.75 mm)



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.

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

Auto-postflow adjusts the length of postflow time based on the amperage setting, shielding your tungsten and eliminating the need to set the postflow time.

Advanced squarewave AC provides a fast freezing weld puddle and deeper penetration.

Weldcraft™ A-150 torch with Diamond Grip™ provides more comfortable grip and reduces operator fatigue.

Easy-to-understand operator interface. Power up, select material type, set material thickness range and start welding!

Inverter-based AC/DC power source provides a more consistent welding arc while using less power.

HF arc starting for non-contact arc initiation that reduces tungsten and material contamination.

Portable. Easy to transport at 50 pounds.

*While idling.

Light industrial ● CC AC 1 DC Phase

Process ■ TIG (GTAW)

Comes with

- Power cord with MVP plugs for 120 V and 240 V
- 12.5 ft. (3.8 m) Weldcraft™ A-150 TIG torch
- 12 ft. (3.7 m) work cable with clamp
- RFCS-RJ45 remote foot control
- Flow gauge regulator with hose

Most popular accessories

- TIG Torch Accessory Kit AK2C (pg 67)
- Running Gear/Cylinder Rack 301239 (pg 118)
- Protective Cover 300579 (pg 124)
- RCCS-RJ45 Remote Fingertip Control 301146 (pg 124)
- RJ45 to 14-Pin Adapter Cord 300688
- Weldcraft™ Flexible Torch Body Kits (requires handle 105Z55R) A-125F (WP-9F) A-150F (WP-17F)

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

AC/DC	Stock Number (907627)	Input Power	Welding Amp Range	Rated Output	Amps Input at Rated Output	KVA	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
		115 V	10-125	125 A at 15 V, 35% duty cycle	26.5 (.88*)	3.1 (.1*)	3.0 (.03*)	80 VDC	H: 17 in. (433 mm) W: 9.875 in. (251 mm) D: 23.875 in. (608 mm)	50 lb. (23 kg)
		230 V	10-180	150 A at 16 V, 20% duty cycle	16 (.44*)	3.7 (.1*)	3.6 (.03*)			
				180 A at 17.2 V, 10% duty cycle	20.5 (.44*)	4.7 (.1*)	4.6 (.03*)			

Maxstar® 161 STL and STH DC TIG and Stick

See literature DC/27.5

Maximum portability and performance provided in one compact TIG/stick package.

TIG Welding Capability

Max. 3/16 in. (4.8 mm)
Steel
Min. 0.020 in. (0.5 mm)



Maxstar 161 STH TIG/stick package with remote fingertip control shown — includes X-CASE.

Two models available. See page 49 in the Stick section for Maxstar 161 S. **STL:** DC TIG/stick with Lift-Arc™ starting without high frequency **STH:** DC TIG/stick with high frequency and Lift-Arc™ starting, plus built-in pulsing from 0-150 pulses per second

AUTO-LINE TECHNOLOGY Allows for any input voltage hookup (120-240 V) with no manual linking, providing convenience in any job setting.

Portable with adjustable handle/shoulder strap. Easy to transport at only 13 pounds.

Built-in gas solenoid eliminates need for a bulky torch with a gas valve.

Digital meter for more precise control.

Fan-On-Demand™ power source cooling system.

Superior stick arc performance even on the difficult-to-run electrodes like E6010.

Industrial ● CC DC 1 Phase

Processes

- TIG (GTAW) ■ Stick (SMAW)
- Pulsed TIG (GTAW-P) with STH model

Comes with

- 6.5 ft. (2 m) power cords for 120 V and 240 V
- 13 ft. (4 m) electrode cable with holder and 25 mm Dinse-style connector
- 10 ft. (3 m) work cable with clamp and 25 mm Dinse-style connector
- Air-cooled TIG torch connector
- Quick-reference guide

TIG/stick packages include above plus

- 12.5 ft. (3.8 m) Weldcraft™ A-150 TIG torch (WP1712RDI25)
- Protective X-CASE™ (301429)
- Flow gauge regulator with hose
- AK2C TIG torch accessory kit
- RCCS-6M remote fingertip control (packages 907710002 and 907711001 only)

Visit MillerWelds.com or your distributor for Miller® options and accessories.

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

DC	Model/Stock Number	Model/Stock Number	Welding Process	Input Power	Welding Amp Range	Rated Output	Amps Input at Rated Output, 50/60 Hz	KVA at Duty Cycle	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
	Maxstar 161 STL (907710) Power source only (907710001) TIG/stick package (907710002) TIG/stick package with remote fingertip control	Maxstar 161 STH (907711) Power source only (907711001) TIG/stick package with remote fingertip control	TIG	120 V	5-130	130 A at 15.2 V, 30% duty cycle	22.6	2.73	2.70	48 VDC (12-16 VDC*)	H: 10.3 in. (262 mm) W: 5.6 in. (142 mm) D: 13.5 in. (343 mm)	13 lb. (5.9 kg)
				240 V	5-160	160 A at 16.4 V, 20% duty cycle	15.05	3.62	3.49			
			Stick	120 V	20-90	90 A at 23.6 V, 30% duty cycle	23.16	2.78	2.76			
				240 V	20-160	160 A at 26.4 V, 20% duty cycle	22.55	5.41	5.25			