

Venture® 150 Series

Battery-Powered Stick/TIG
Welding Power Source



QUICK SPECS

Light Industrial Applications

Mechanical contractors
Maintenance and repair
Construction
Mobile welding

Processes

Stick (SMAW)
TIG (GTAW)
High-frequency TIG (GTAW)*
Pulsed TIG (GTAW-P)*

*Venture 150 T model only.

Amperage Range

DC Stick: 20–150 A

DC TIG: 10–160 A

Net Weight 27 lb. (12.2 kg)



Venture 150 S with battery pack and charger package shown. Other packages for S and T models available (see page 4).



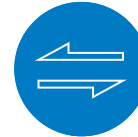
Save Time

Faster set-up and pack-up saves up to 250 hours annually — that's more time for welding.



Compact Design

Lightweight, convenient and easy to carry between jobsites.



Engineered Specifically for Welding

Swappable battery packs so you can weld all day.



Reliable Output

100% duty cycle at maximum output.

Swappable battery packs that are engineered for welding. Lightweight and packed with power, the Venture 150 battery-powered welding power source allows you to be more nimble on the job. Less equipment to carry — more time to weld.

6010 stick electrode capability. Superior stick arc performance even on the difficult-to-run electrodes like E6010.

Adaptive Hot Start™ provides positive arc starts without sticking.

Lift-Arc™ provides arc starting that minimizes contamination of the electrode without the use of high-frequency.

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

Low OCV stick is a simple design that reduces the open-circuit voltage to 12–16 volts. Can be enabled or disabled.

Thermal overload protection helps prevent machine damage in light industrial applications.

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

Additional Venture 150 T features

High-frequency for non-contact arc initiation that reduces tungsten and material contamination.

QUIETPULSE™ DC pulse welding waveshape is changed to create a slower, more fluid transition between the background and peak amperage, resulting in lower audible noise.

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

TRUE BLUE®
3YR. WARRANTY

Power source is warranted for three years, parts and labor. Charger is warranted for one year. Battery pack is warranted for one year or 1,000 charge cycles, whichever comes first. Warranty applies only under proper usage and storage conditions.

Comes complete with:

- Venture 150 welding power source
- 400 Wh battery pack(s)
- Battery charger
- 10 ft. (3 m) cable with electrode holder and 50 mm Dinse-style connector
- 10 ft. (3 m) work cable with clamp and 50 mm Dinse-style connector
- Shoulder strap with pad
- 8 rubber bumpers/feet

Venture 150 T adds the following:

- TIG contractor kit which includes 12.5 ft. (3.8 m) Weldcraft™ A-150 TIG torch with flow thru Dinse-style connector, 13.25 ft. (4 m) RMS-6M hand control, flow gauge regulator with 12 ft. (3.7 m) gas hose, and AK2C torch accessory kit



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f X v i n



Swappable Battery Packs Made to Weld

Engineered for Durability and Safety	Battery chemistry and cell design are engineered specifically for high-power applications like welding.
Innovative Software Design	Battery management software protects the battery pack and allows it to operate optimally throughout a range of conditions.
Variable Charging	Fast charging (from 0 to 95 percent in less than 30 minutes) enables a quick charge time and throughput with the flexibility of standard charging (less than 60 minutes) for extended life.
Created for Versatility	Battery packs are lightweight and swappable, so users can weld anywhere.
Long Life	Over 1,000 charge cycles under typical use cases and with proper care.



Operation Modes

Manual mode



1. Press MENU soft-key.
2. Rotate knob to scroll and press knob to select a menu item.

Process modes



Stick Welding Mode



Stick XX10 Welding Mode




TIG Welding Mode

Specifications (Subject to change without notice.)

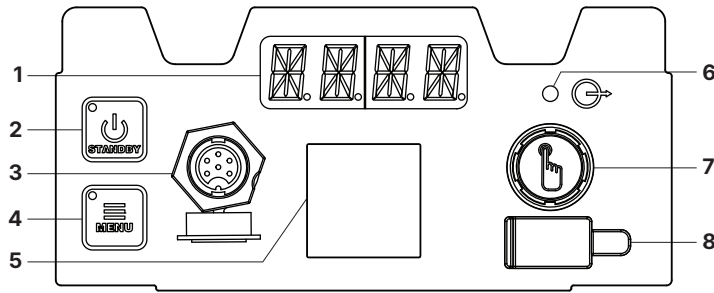


AMPERAGE RANGE	BATTERY CHARGING OPTIONS	BATTERY VOLTAGE	MAX. OPEN-CIRCUIT VOLTAGE	DIMENSIONS	NET WEIGHT
Stick: 20–150 A TIG: 10–160 A	Charge Fast Standard 0–95% <30 min.* <60 min.*	52.8 V (396 Wh)	80 VDC	H: 13.2 in. (335 mm) W: 8.4 in. (213 mm) D: 19 in. (483 mm)	27 lb. (12.2 kg)

*Charge times are subject to battery pack and ambient temperatures.

 Conforms to CSA Std. E60974-1.
Intertek

Control Panel

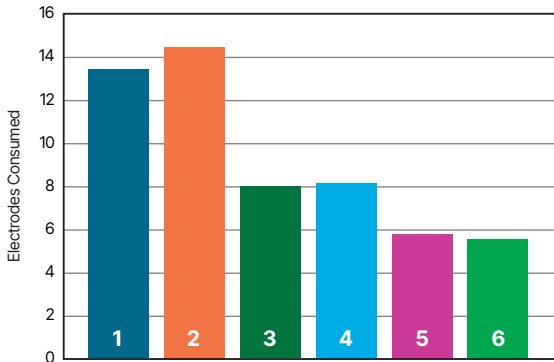


1. LED Display
2. Power On/Off Button
3. 6-Pin Remote Receptacle (T model only)
4. Menu Button
5. Color LCD Display
6. Output Indicator Light
7. Setting/Selector Push Knob
8. USB Port

Performance Data

Stick welding

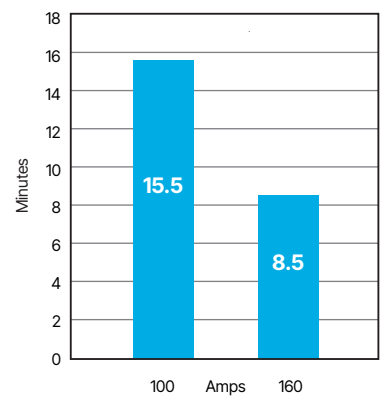
ELECTRODE CONSUMPTION PER CHARGE



Electrode Classification	Consumed
1 3/32 in. 7018 at 80 A	13.5
2 3/32 in. 6010 at 60 A	14.5
3 1/8 in. 7018 at 110 A	8.0
4 1/8 in. 6010 at 90 A	8.1
5 5/32 in. 7018 at 150 A	5.8
6 5/32 in. 6010 at 120 A	5.6

TIG welding

TIG ARC TIME PER CHARGE



Venture™ 150 Comparison



Venture 150 S

VENTURE™ 150 S	PROCESS CAPABILITIES	VENTURE™ 150 T
+	Stick	+
+	Stick: 6010 stick mode	+
+	TIG: Lift-Arc™ starts	+
	TIG: High-frequency starts	+
	TIG: Pulsed TIG—QuietPulse™	+
	FEATURES	
+	Portable: 27 lb.	+
+	Swappable, rechargeable battery packs engineered for welding	+
+	Stick-Stuck	+
+	Hot Start™	+
+	Carrying strap	+
	Flow-through Dinse	+
	6-pin connection	+
	Integrated gas valve	+
	Pulse (0–150 PPS)	+
	Adjustable preflow/postflow	+



Venture 150 T

Individual Components and Genuine Miller® Accessories



Venture™ 150 S Power Source 907888
Venture™ 150 T Power Source 907889
 Simple-to-use operator interface providing only the necessary controls in a compact machine. T model has additional TIG features.



Venture™ 150 Battery Pack 301756
 400 Wh battery pack engineered specifically for the Venture 150.



Venture™ 150 Battery Charger 301755
 Fast charging (from 0 to 95 percent in less than 30 minutes)

enables a quick charge time and throughput with the flexibility of standard charging (less than 60 minutes) for extended life.



Weldcraft™ A-150 Two-Piece Torch 301882
 Recommended for S model. Assembled Miller® two-piece torch created to maximize efficiency while TIG welding with the Venture 150 S.

torch created to maximize efficiency while TIG welding with the Venture 150 S.



TIG Contractor Kit 301922
 Recommended for T model. Includes 12.5-foot (3.8 m) Weldcraft™ A-150 TIG torch with flow thru Dinse-style connector, 13.25-foot (4 m) RMS-6M hand control, flow gauge regulator with 12-foot (3.7 m) gas hose, and AK2C torch accessory kit.



TIG Torch Accessory Kit AK2C
 Recommended for T model.

Includes one short back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, 1/16, 3/32 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.

Ordering Information

POWER SOURCE AND OPTIONS	STOCK NO.	DESCRIPTION	QTY.	PRICE
Venture™ 150 S Packages	951000202	Power source with battery pack and charger		
	951000221	Power source with two battery packs and charger		
Venture™ 150 T Packages	951000256	Power source with battery pack, charger and TIG contractor kit		
	951000257	Power source with two battery packs, charger and TIG contractor kit		
	951000258	Power source with TIG contractor kit (no battery pack or charger)		
Individual Components				
Venture 150 S Power Source	907888	Power source only (no battery pack or charger)		
Venture 150 T Power Source	907889	Power source only (no battery pack or charger)		
Venture 150 Battery Pack	301756	400 Wh battery pack for the Venture 150		
Venture 150 Battery Charger	301755	Charges Venture 150 battery packs, standard 120-volt plug-in		
Accessories				
Weldcraft™ A-150 TIG Torch	301882	Recommended for S model. 150-amp air-cooled two-piece TIG torch with 25 ft. (7.6 m) cable		
	WP1712MFDI50	Recommended for T model. 150-amp air-cooled TIG torch with 12.5 ft. (3.8 m) cable		
TIG Contractor Kit	301922	Recommended for T model. See contents in Accessories section above		
TIG Torch Accessory Kit	AK2C	Recommended for T model. See contents in Accessories section above		
RMS-6M Remote	401790	Recommended for T model. 13.25 ft. (4 m) remote on/off control		
	195269	Recommended for T model. 26.5 ft. (8 m) remote on/off control		
RCCS-6M Remote	195184	Recommended for T model. 13.25 ft. (4 m) remote fingertip control		
	195503	Recommended for T model. 26.5 ft. (8 m), remote fingertip control		
RFCS-6M Remote	301587	Recommended for T model. 13.25 ft. (4 m) remote foot control		
	301588	Recommended for T model. 20 ft. (6 m) remote foot control		
Wireless Remote Foot Control	301580	Recommended for T model. Foot control with wireless 90 ft. (27.4 m) operating range. Requires 14-pin to 6-pin adapter cord (300507)		
RFCS-14 HD	301589	Recommended for T model. Heavy-duty foot control. Requires 14-pin to 6-pin adapter cord (300507)		

DATE: _____ TOTAL QUOTED PRICE: _____

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