

# 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)



**NEW!**

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



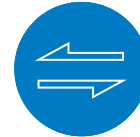
### Save Time

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.



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-through Dinse-style connector, RMS-6M hand control, flow gauge regulator with 12 ft. (3.7 m) gas hose, and AK2C torch accessory kit



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MillerWelds.com



# 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.)

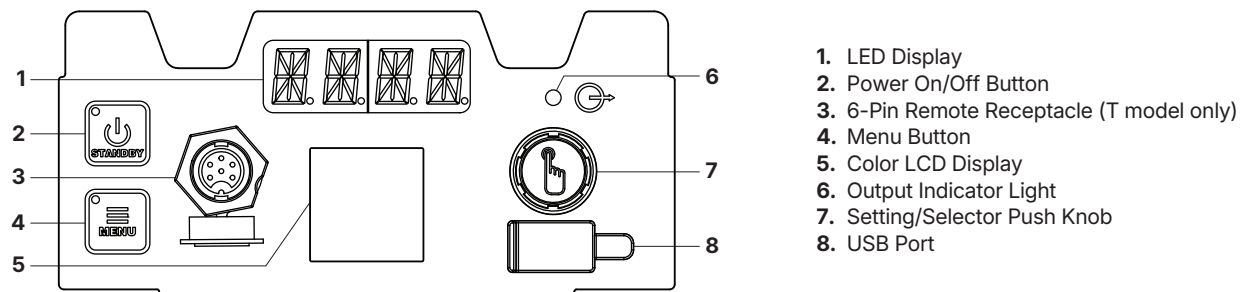


AMPERAGE RANGE	BATTERY CHARGING OPTIONS	BATTERY VOLTAGE	MAX. OPEN-CIRCUIT VOLTAGE	DIMENSIONS	NET WEIGHT
Stick: 20–150 A TIG: 10–160 A	Charge 0–95% Fast <30 min.* Standard <60 min.*	52.8 V (396 Wh)	80 VDC	H: 13.2 in. (335 mm) W: 8.4 in. (213 mm) D: 19 in. (483 mm)	27 lb. (12.2 kg)

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

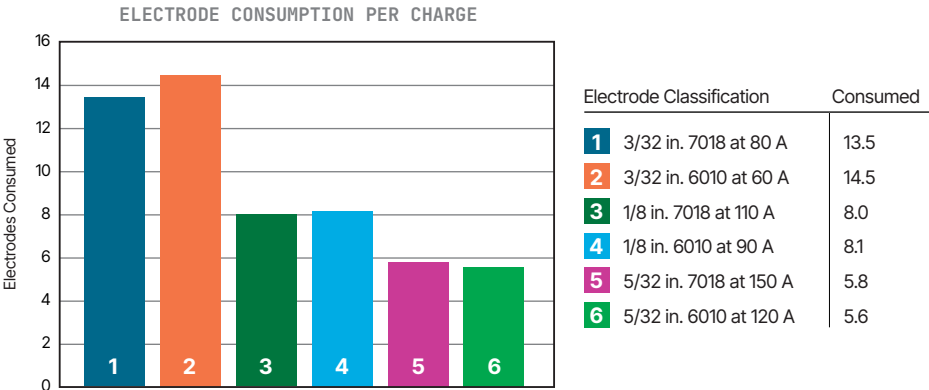
 Conforms to CSA Std. E60974-1.  
Intertek

# Control Panel

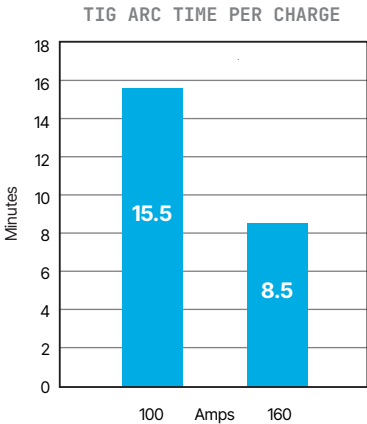


# Performance Data

## Stick welding



## TIG welding



# 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.



**TIG Contractor Kit 301922**  
Recommended for T model. Includes 12.5 ft. (3.8 m) Weldcraft™ A-150 TIG torch with flow-through Dinse-style connector, RMS-6M hand control, flow gauge regulator with 12 ft. (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
<b>Venture™ 150 S Packages</b>	<b>951000202</b>	Power source with battery pack and charger		
	<b>951000221</b>	Power source with two battery packs and charger		
<b>Venture™ 150 T Packages</b>	<b>951000256</b>	Power source with battery pack, charger and TIG contractor kit		
	<b>951000257</b>	Power source with two battery packs, charger and TIG contractor kit		
	<b>951000258</b>	Power source with TIG contractor kit (no battery pack or charger)		
<b>Individual Components</b>				
Venture 150 S Power Source	<b>907888</b>	Power source only (no battery pack or charger)		
Venture 150 T Power Source	<b>907889</b>	Power source only (no battery pack or charger)		
Venture 150 Battery Pack	<b>301756</b>	400 Wh battery pack for the Venture 150		
Venture 150 Battery Charger	<b>301755</b>	Charges Venture 150 battery packs, standard 120-volt plug-in		
<b>Accessories</b>				
Weldcraft™ A-150 TIG Torch	<b>301882</b>	Recommended for S model. 150-amp air-cooled two-piece TIG torch with 25 ft. (7.6 m) cable		
	<b>WP1712MFDI50</b>	Recommended for T model. 150-amp air-cooled TIG torch with 12.5 ft. (3.8 m) cable		
TIG Contractor Kit	<b>301922</b>	Recommended for T model. See contents in Accessories section above		
TIG Torch Accessory Kit	<b>AK2C</b>	Recommended for T model. See contents in Accessories section above		
RCCS-6M Remote	<b>195184</b>	Recommended for T model. 13.25 ft. (4 m) remote fingertip control		
	<b>195503</b>	Recommended for T model. 26.5 ft. (8 m), remote fingertip control		
RFCS-6M Remote	<b>301587</b>	Recommended for T model. 13.25 ft. (4 m) remote foot control		
	<b>301588</b>	Recommended for T model. 20 ft. (6 m) remote foot control		
RMS-6M Remote	<b>195269</b>	Recommended for T model. 26.5 ft. (8 m) remote on/off control		

DATE :

TOTAL QUOTED PRICE :

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