

STi 160

**Stick/TIG Welding
Power Source**



Quick Specs



Light Industrial Applications

Process pipe
Maintenance repair
Farm/ranch
Dairy industry
Food/beverage industry
Shipboard installation

Processes

Stick (SMAW)
Lift-Arc™ TIG (GTAW)

Input Power

230 V, 1-phase, 50/60 Hz

Amperage Range 4–150 A

Rated Output 100 A at 100% duty cycle
150 A at 25% duty cycle

Max. Open-Circuit Voltage 70 V

Net Weight 6.0 kg (13.2 lb.)



WeldReady package includes:

- Power source
- 3 m (10 ft.) power cord
- 3 m (10 ft.) electrode cable with holder and 25 mm Dinse-style connector
- 3 m (10 ft.) work cable with clamp and 25 mm Dinse-style connector
- Shoulder strap

Portable in the shop or at the jobsite — at 6.0 kg (13.2 lb.) the shoulder strap allows the end user to easily move from location to location.

Inverter-based, DC power source has a **simple-to-use operator interface** providing only the necessary controls in a compact machine.

Dual fan technology. An optimised power source cooling system which enables the machine to operate at a lower temperature, thus increasing its performance and life cycle.

Thermal overload protection with indicator light helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.

VRD function is a simple design that reduces the open-circuit voltage to 20 volts when the welding power source is not in use.

Digital meter with presetting. Shows preset current before welding and actual value during welding.

Full-function remote control connector for precise amperage control for critical welds on thin materials.

Lift-Arc™ start provides TIG arc starting without the use of high frequency or the risk of tungsten contamination.

Best-in-class stick arc characteristics for those demanding jobs.

Adjustable Hot Start™ for stick arc starts. Adjust the optimal start current for the application. The current automatically increases the output amperage at the start of a weld.

Adjustable Arc Force™ prevents sticking. Adjust the optimal arc force value. Adjustable arc force supports positional welding by increasing the output amperage.



Warranted for three years, parts and labour.



Specifications (Subject to change without notice.)



Input Power	Welding Mode	Welding Amperage Range	Rated Welding Output	IP Rating	Amps Input at Rated Output, 50/60 Hz	KVA	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
230 V, 1-phase, 50/60 Hz	Stick	4–150 A	100 A at 24.0 VDC, 100% duty cycle	IP23	20	4.5	2.8	70 VDC (20 VDC*)	H: 245 mm (9.625 in.) W: 145 mm (5.75 in.) D: 380 mm (15 in.)	6.0 kg (13.2 lb.)
			150 A at 26.0 VDC, 25% duty cycle		30	7.0	4.8			
	TIG	15–150 A	100 A at 14.0 VDC, 100% duty cycle		13	3.0	2.0			
			150 A at 16.0 VDC, 25% duty cycle		21	4.8	3.2			

*VRD voltage.

CE All CE models conform to the applicable parts of the IEC 60974 series of standards.

Ordering Information

Power Source	Stock No.	Description	Qty.	Price
STi 160	059016012	Stick/Lift-Arc™ TIG inverter, 230 V, single-phase, 50/60 Hz. Includes shoulder strap and 3 m (10 ft.) power cord		
STi 160 WeldReady Package	029083127	Includes power source, power cord, electrode cable with holder, work cable with clamp, and shoulder strap		
Accessories				
Stick Welding Kit	058066079	3 m (10 ft.) electrode holder with cable and 3 m (10 ft.) work clamp with cable		
RCCS-6M	195184	4 m (13 ft.) remote fingertip control		
	195503	8 m (26.5 ft.) remote fingertip control		
RFCS-6M	195183	4 m (13 ft.) remote foot control		
	195504	6 m (20 ft.) remote foot control		
RMS-6M	195269	8 m (26.5 ft.) remote on/off control		
Dinse-Style Flow Thru Adapter	195234	25 mm adapter for TIG torch connection		
6-Pin Remote Plug	217796	6-pin remote plug to add to an existing remote		
TIG Torch	WP-17VX4BXXX3GL	4 m (13 ft.) A-150 air-cooled torch. 150 amps, 60% duty cycle		
Gas Hose	9072000SL	3 m (10 ft.)		

Date:

Total Quoted Price:

Miller recommends  consumables

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