

SANMIG 400MP

DC Multi-Process Welding

Tough, Compact & Light Weight.



Excellent Performance: Embedded microprocessor with digital controls, delivering full multi process CC/CV, CV Pulse with perfectly smooth, stable arc characteristics for MIG solid and Flux cored wires, Air Carbon Arc cutting and Gouging, E6010 Cellulose and low hydrogen electrodes.

MIG Pulse: Preset Pulse programs for Mild Steel, Stainless Steel, Aluminum and Silicon Bronze.

Primary Smart Switch: Prevents damage to the internal components if installed to improper voltage. Multi voltage 208-230/460 1 or 3 phase providing maximum flexibility.

Thermal Overload Protection: Indicator alerts the operator if duty cycle is exceeded or airflow is blocked.

Remote 14pin Receptacle Fitted: Makes compatibility of SanRex, competitive wire feeders and remote devices simple.

Excellent Portability: Lightweight, less than 56 lbs.

IP23S: Suitable for outdoor use.

Digital Meters: Voltage and Amperage: Preview and Hold capability.

Heat sensing fan: Operates as needed to cool components & reduce airborne contaminants pulled through the power source.

Inductance Control: Fine tuning control for optimized MIG welding performance.

Dinse Twist Lock Output Terminals: Allow for easy polarity changing and cable connection.

Easy to use: Simple, user friendly set-up and operation.

Smart Warning Diagnostics: Alerts operator to power supply abnormalities.

Standards Compliant Integrated VRD: Voltage Reduction Device reduces the OCV when the power supply is not in use. This all but eliminates the risk of electrocution to the operator from the secondary welding circuit.

Job Save & Load: Allows operator to store up to 5 exact optimized welding parameters then digitally recall them with perfect repeatability.

Lift Start TIG: Provides TIG arc starting without use of high frequency.

Hot Start: Adjustable Hot Start for optimized starting performance.

Quick Specifications
Processes STICK (SMAW) TIG (GTAW) Lift MIG (GMAW), Flux Cored (FCAW) Pulse MIG (GMAW-P) Air Carbon Arc Cutting/Gouging (CAG)
Industrial Manufacturing, Contractors, Installation/Repair.
Input Voltage 208-230/460 VAC 1/3 Phase
Input Frequency 50/60 Hz
Rated Output @ Duty Cycle 400A/36V @ 25% 300A/32V @ 60%
Output Range 5-400A DC
Weight 55.6 lb (25.22 kg)
Package Includes
SANMIG 400MP Power Cord 2 ea Dinse 50mm plugs
Order Information
Part No: ID-4000CP-U1E Description: SANMIG 400MP

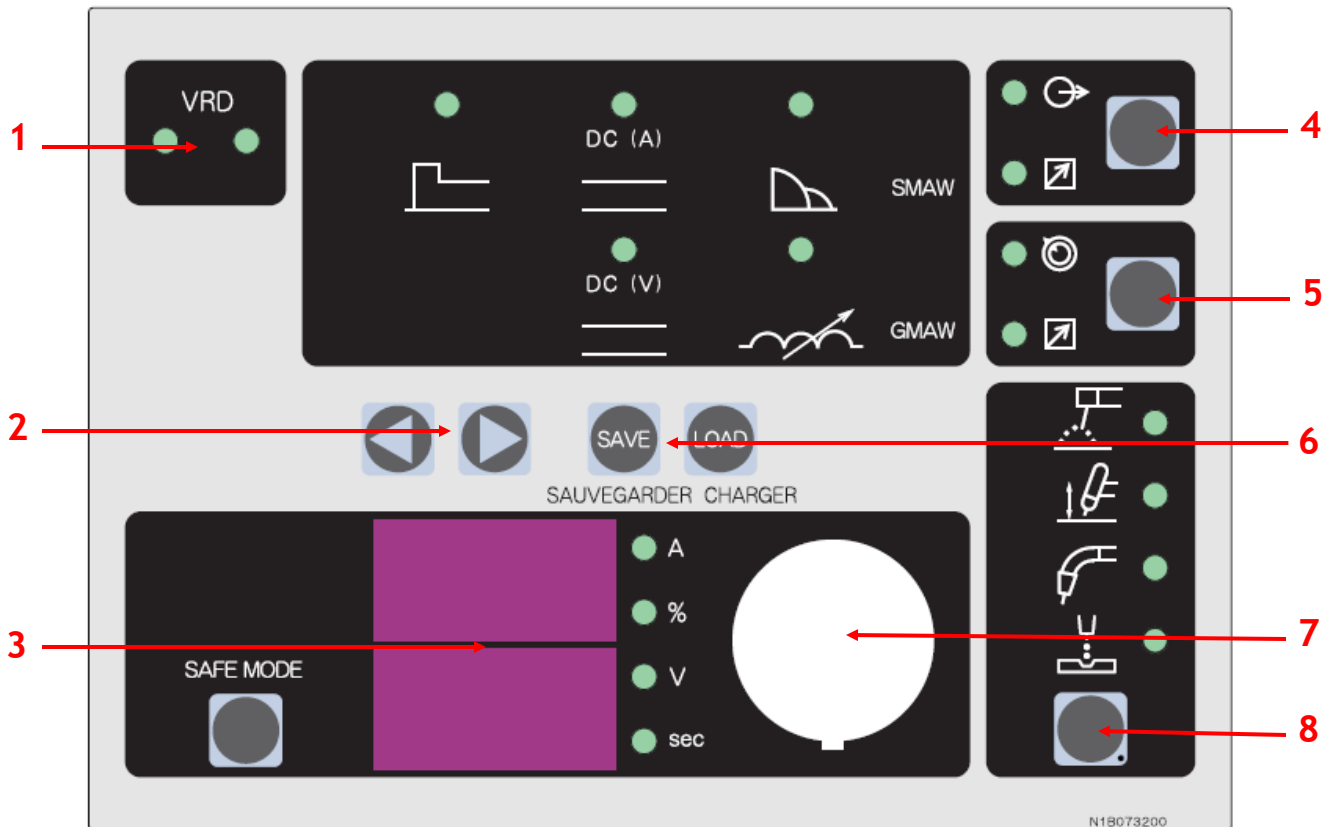


400MP with HD MIG Kit shown.



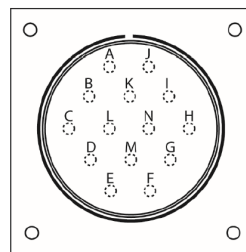
Binzel PPI Push-Pull MIG Gun

Control Panel

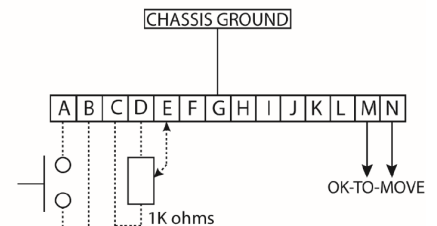


1. VRD - (Voltage Reduction Device) lights indicate on or off.
2. Scroll buttons - used to select the parameter to be set. The LED's show which function is being adjusted on the weld sequence graph.
3. Digital LED display - welding amperage and parameter values are displayed in this window. Internal warnings such as over temperature, low or high input voltage applied are signaled to the operator by a warning sound and error message on the screen.
4. Remote contactor function - pressing this button enables remote contactor on or off.
5. Remote current function - pressing this button enables remote current.
6. Save/Load Buttons - By using the Save & Load buttons the operator can easily save up to 5 welding parameter programs.
7. Control knob - allows the operator to adjust the output amperage within the entire range of the power source, also used to set each parameter value.
8. Process functions - pressing this button scrolls through the output process modes (Stick, Lift TIG, MIG, Pulse MIG).

Simple Automation Interface for Fixed, hard and Robotic automation applications includes Remote Weld ON/OFF, Remote Amperage Control, OK-to-Move Weld Arc ON signals.



Front view of 14-Pin Socket Receptacle



SANMIG 400MP

DC Multi-Process Welding

Features

Recessed Control Panel

Simple to use operator interface with protective cover.

Flow Through Cooling

Heat Sensing Fan.

Output Terminals

Dinse Twist Lock.



Primary Smart Switch

Multi voltage 208-230/460 1 or 3 phase providing maximum flexibility.

Heavy Duty Case

ABS High Density Plastic.

14 Pin Remote Receptacle

Easy to connect.

Specifications

400MP

Input Voltage 208-230/460V, 3 Phase	Primary Cable Length 10 ft.
Rated Output @ Duty Cycle 400A/36V @ 25% 300A/32V @ 60%	Output Range 5-400A
Input Frequency 50/60 Hz	OCV 65
Lift Mode Short Current 25A	Weight 55.6 lb (25.22 kg)
Approvals CSA (Pending); IP23S, IEC 60974-1 (CE)	Dimensions (HxWxD) 16.5 x 8.3 x 17.7 in (420 x 210 x 450 mm)

Input Voltage (VAC)


	Duty Cycle	Output Ams	OCV	Output Voltage	No. Phase	208 Input Amps	230 Input Amps	460 Input Amps	kVA	kw
Output	25%	400	65	36	3	67	60	30	34	18
Output	60%	300	65	32	3	44	40	20	16	12
No Load	-	-	-	-	3	1.4	1.1	0.7	0.5	0.13
Output	25%	300	65	32	1	96	87	-	20	12
Output	60%	230	65	29	1	67	60	-	13.9	8.3
No Load	-	-	-	-	1	2.5	1.8	-	0.5	0.13

Ordering Information

Product	Part Number	Description
SANMIG 400MP	ID-4000CP-U1E	Power Supply includes 2 ea Dinse Plugs & 10ft. Primary Cable.

Accessories

Note: Kits include Power Supply.

	400MP-HDMK1T	400MP, Sky 4HD Wire Feeder (Tweco Gun Plug), 8' Coax, 450A 15ft. MIG Gun (TWECO 14 Series Consumables) 035/045 wire, 15' HD Work Lead, Regulator Flowmeter & running gear/Cylinder Rack.
	400MP-HDMK1TA	400MP, Sky 4HD Wire Feeder (Tweco Gun Plug), 8' Coax, 15' HD Work Lead, Regulator Flowmeter & running gear/Cylinder Rack. Note MIG GUN Not Included.
	400MP-HDMK1M	400MP, Sky 4HD Wire Feeder (Miller Gun Plug), 8' Coax, 15' HD Work Lead, Regulator Flowmeter & running gear/Cylinder Rack. Note: MIG Gun Not supplied.
	400MP-HDMK1E	400MP, Sky 4HD Wire Feeder (Euro Gun Plug), 8' Coax, 15' HD Work Lead, Regulator Flowmeter & running gear/Cylinder Rack. Note: MIG Gun Not supplied.
	400MP - binzelPPI	400MP, Sky 4HD Wire Feeder w/25ft. Binzel PPI MIG Gun, 8' Coax, 15' Work Lead, Regulator Flowmeter & running gear/Cylinder Rack.
	Interconnect Coax	Power Supply to Wire feeder interconnect Cable. ♦ WFC004 – 4ft. Coax, WFC008 – 8ft. Coax - (Included in MIG Kits.) ♦ WFC015 – 15ft. Coax, WFC025 – 25ft. Coax, WFC050 – 50ft Coax
	WCE0006	15ft. Work Lead
	MS1103	Heavy Duty Running Gear/Cylinder Rack is designed to carry one bottle of gas up to 10 inches in diameter and up to 300 cu. Ft. Included with Kits.

400M-HDMK1T Kit Shown

Wire Feeder Options

Sanfeed Sky 4HD

- TWECO, Miller or EURO Gun Connection
- Large 4 Driven Drive Roll System.
- Digital Volt and Amperage Meter.
- Interconnection Coax Cable
- 0.023" – 5/64" Solid and Flux Cored Wires.

Sanfeed Field 4HD

- ♦ TWECO Gun Connection
- ♦ Large 4 Driven Drive Roll System.
- ♦ Digital Volt Amperage Meter.
- ♦ Voltage sensing for field applications.
- ♦ 0.023" – 5/64" Solid and Flux Cored Wires.

See Sanfeed Wire Feeder Brochures for details.



Sanfeed Field 4HD

Binzel PPI Push Pull MIG Gun