

SANMIG 400M

DC Multi-Process Welding



Tough, Compact & Light Weight.

Excellent Performance: Embedded microprocessor with digital controls, delivering full multi process CC/CV 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.

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.

Simple Automation: Includes Remote Weld ON/OFF, Amperage control, Weld output ON (OK-to-Move).

Arc Control: Adjustable Arc control for optimized welding performance.

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

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

Warranty: 3 Years.

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)
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 400M

Power Cord
2 ea Dinse 50mm plugs

Order Information

Part No: ID-4000C-U1E

Description: SANMIG 400M



400M with Push Pull MIG Gun shown.



Binzel PPI Push-Pull MIG Gun

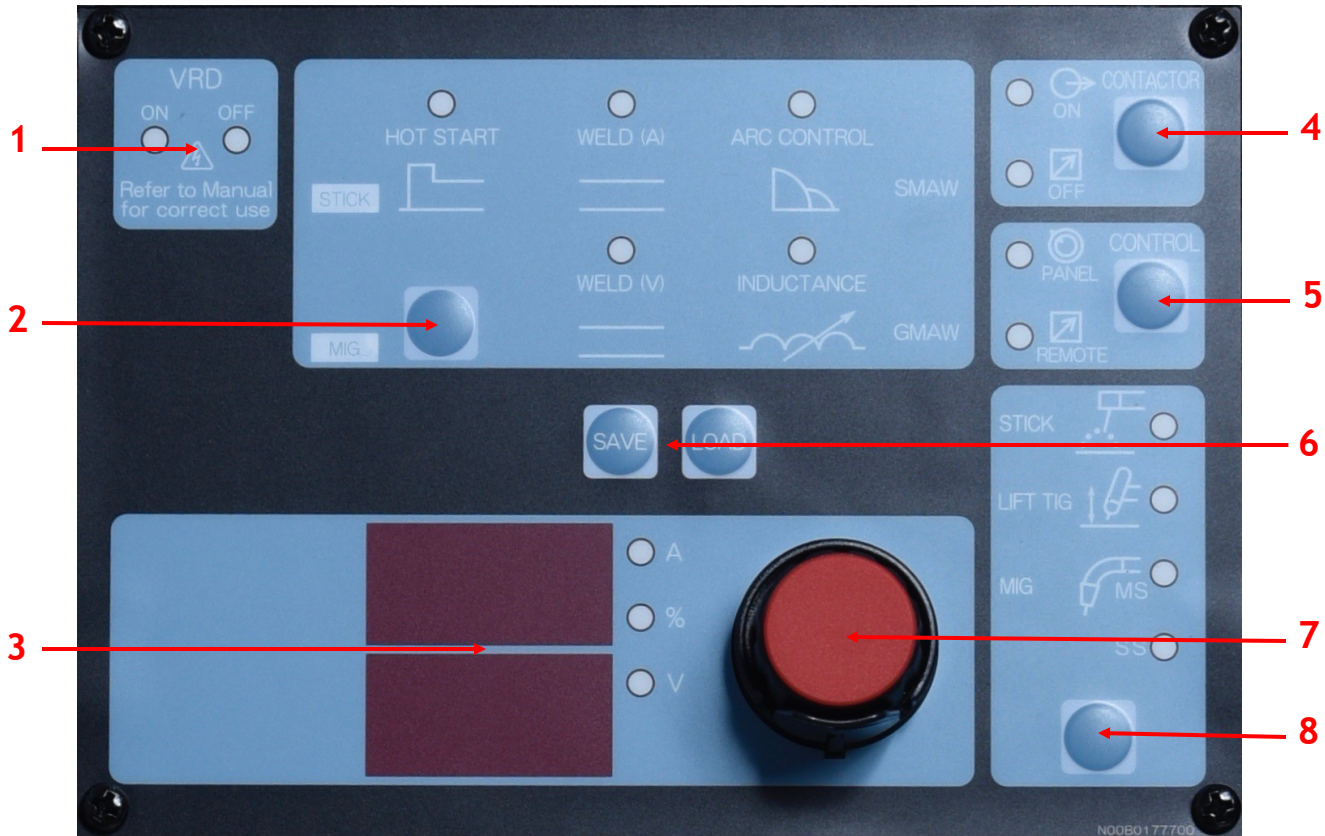
SanRex

Customer Care
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SANREX CORPORATION
PORT WASHINGTON, NY, USA

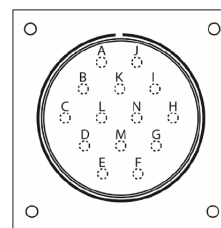
www.sanrex.com
SANARG 400M
Form No.:081623400M

Control Panel

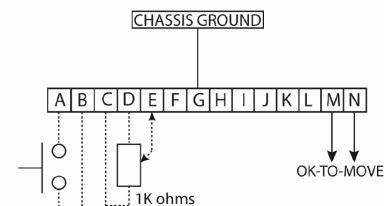


1. VRD - (Voltage Reduction Device) lights indicate on or off.
2. Scroll button - used to select the parameter to be set. The LED's show which function is being adjusted on the weld sequence graph.
3. Digital LED display - welding amperage and parameter values are displayed in this window. Internal warnings 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).

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 400M

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

400M

Input Voltage 208-230/460V, 1/3 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

SanRex

Customer Care
Tel: 516-625-1313
Fax: 516-625-8845

SANREX CORPORATION
PORT WASHINGTON, NY, USA


www.sanrex.com
SANARG 400M
Form No.:081623400M

Ordering Information

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

Accessories

Note: Kits include Power Supply.

 <p>400M-HDMK1T Kit Shown</p>	400M-MK2	400M, Sky 4 Wire Feeder, 8' Coax, 350A 12ft. EURO MIG Gun (TWECO 14 Series Consumables) 035 wire, 15' Work Lead, Regulator Flowmeter & running gear/Cylinder Rack.
	400M-HDMK1T	400M, Sky 4HD Wire Feeder (Tweco Gun Plug), 8' Coax, 450A 15ft. MIG Gun (TWECO 14 Series Consumables) 035/045 wire, 15' Work Lead, Regulator Flowmeter & running gear/Cylinder Rack.
	400M-HDMK1TA	400M, Sky 4HD Wire Feeder (Tweco Gun Plug), 8' Coax, 15' Work Lead, Regulator Flowmeter & running gear/Cylinder Rack. Note: MIG Gun Not Supplied.
	400M-HDMK1M	400M, Sky 4HD Wire Feeder (Miller Gun Plug), 8' Coax, 15' Work Lead, Regulator Flowmeter & running gear/Cylinder Rack. Note: MIG Gun Not supplied.
	400M - binzelPPI	400M, 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
	WF1300TPPI MGT2842921	Sky 4HD to be used with MGT2842921 Binzel PPI Push Pull MIG Gun. Binzel 25ft. PPI Push Pull MIG Gun to be used with WF1300TPPI Wire Feeder.
	MS1102	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 in System Kits.

Wire Feeder Options

Sanfeed Sky 4

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

Sanfeed Sky 4HD

- TWECO or Miller 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.

Binzel PPI Push Pull MIG Gun for MIG Aluminum.

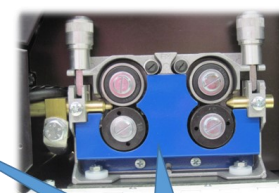
See Sanfeed Wire Feeder Brochures for details.



SANFEED SKY 4 & 4HD



Coaxial Cable
Includes Gas Hose, Power and control cables



Sky 4
Shown



Sanfeed Field 4HD



Binzel PPI Push Pull MIG Gun