

Orbital Welding System

M100 Power Supply

- Microprocessor controller with high-resolution 5.5 in. (140 mm) LCD
- Auto weld schedule program generation or manual entry
- Real-time monitoring and recording of weld output performance
- Weld data storage for QA/QC purposes:
 - to non-volatile internal storage
 - to data memory card
 - to printer
 - to PC via serial port
- Multiple or single level capability
- Fractional/metric conversion
- Internal thermal printer
- Step programming capability
- Sloping between levels
- Pulse rates from 1 to 99 pulses/second
- Tacking
- Password protected
- Operator limited access



Ordering Information

To order, add a power cord designator to the basic ordering number. Example: SWS-M100-1-1

Power		Basic Ordering Number	Duty Cycle			Size			
Input	Output ^①		30 %	60 %	100 %	Weight lb (kg)	Height in. (mm)	Width in. (mm)	Depth in. (mm)
115 V (ac) 1 Phase 50/60 Hz 20 A	Type (dc) 2 A- 100 A	SWS-M100-1-	100 Amps	75 Amps	45 Amps	42 (19)	9.0 (229)	15.5 (394)	19.4 (493)
230 V (ac) 1 Phase 50/60 Hz 15 A		SWS-M100-2-		65 Amps	40 Amps				

^① For 100 volt (ac) input applications, the maximum output capabilities may be reduced.

Geographic Region	Voltage	Plug Type	Cord/Wire Type	Power Cord Designator
North America	110/120 V (ac) 50/60 Hz	NEMA 5-15	AWG/SJT	1
North America		NEMA 5-20	AWG/SJT	9
North America	220/240 V (ac) 50/60 Hz	NEMA 6-15	AWG/SJT	2
Japan or Taiwan	110/120 V (ac) 50/60 Hz	NEMA 5-15	Harmonized	3
Japan or Taiwan	220/240 V (ac) 50/60 Hz	NEMA L6-20	Harmonized	4
United Kingdom	110/120 V (ac) 50/60 Hz	IEC-309	Harmonized	5
United Kingdom	220/240 V (ac) 50/60 Hz	BS 1363	Harmonized	6
Continental Europe	220/240 V (ac) 50/60 Hz	CEE 717	Harmonized	7
Australia or New Zealand	220/240 V (ac) 50/60 Hz	AS 3112	Harmonized	8

For more information, see *Electrical Power Cord/Plug Options*. For any power plug/service not listed, please contact your independent Swagelok sales and service representative.

Options and Accessories

Remote Pendant

The full functioning pendant provides remote push-button operation of the power supply. The remote pendant comes with a 15 ft (4.6 m) cable.



Description	Ordering Number
Remote Pendant	SWS-M-RPEND

Remote Pendant Extension Cable

The standard cable can be lengthened with a 10 ft (3 m) or 35 ft (10.7 m) extension cable.



Extension Cable, ft (m)	Ordering Number
10 (3)	SWS-M-RPEND-10EXT
35 (10.7)	SWS-M-RPEND-35EXT

Data Memory Card

Data memory cards let users store and retrieve weld schedule programs and historical data right from the M100 power supply. Download data after shift changes for QA/QC analysis. One data memory card comes with the M100 power supply. Additional data memory cards can be ordered separately.



Description	Ordering Number
Data Memory Card	SWS-PCCARD-1MB

Printer Paper

Each package contains 10 rolls. One roll of paper comes with the M100 power supply.



Description	Ordering Number
Printer Paper	CWS-DRP-PAPER

PC Direct Interface Cable

With the PC direct interface cable, the user can download weld data directly to a PC via a serial port connection. One interface cable comes with the M100 power supply. Additional cables can be ordered separately.



Description	Ordering Number
PC Direct Interface Cable	SWS-PC-CABLE

Power Cord

A 12 ft (3.7 m) power cord comes with the M100 power supply. To order a separate power cord, add a power cord designator to the basic ordering number.



Description	Basic Ordering Number
Power Cord	CWS-CORD-

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

Caution: Do not mix or interchange parts with those of other manufacturers.