

# SANMIG 250MF

## Multi-Process Arc Welding

**Processes**  
MIG/STICK/L-TIG  
**Product Number**  
IAU-W250MF-U1DV

**Input Voltage**  
120/208-240 VAC 1 Phase  
**Rated Output**  
140A @ 35% Duty Cycle (120V)

**Output Range**  
10–250A Max  
**Input Frequency**  
50/60 Hz.

See back for complete specifications.

The SanRex 250MF is a dual-voltage, full multi process, synergic control, DC, CC/CV, MIG/Stick/Lift TIG inverter power supply designed for precision MIG, DC TIG and Stick welding. This unit is equipped with an integrated wire feed unit, digital voltage and amperage meters and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

### Features:

- **Synergic:** Automatically sets your welder to the proper parameters. Simply set process, material, wire, gas and go!
- **Full Multi-Process:** STICK / L-TIG / MIG with Built-in Wire Feeder.
- **PFC Power Factor correction:** Up to 40% more electrically efficient than conventional MIG Welders.
- **Auto Switch:** Multi-voltage 120/208-240 vac, single phase.
- **Durable Wire Feeder metal Feed Plate:** 2 roll drive system and easy-to-set single scaled wire tension knob.
- **Digital Meters:** Weld Current and adjustable controls.
- **Certifications:** CSA, IEC-974
- **Thermal Overload Protection:** Indicator alerts the operator if duty cycle is exceeded or air-flow is blocked. Easy operation on a 120 VAC, 20 Amp Circuit Breaker.
- **Warranty:** 3 Years.

## Synergic Multi-Process DC Welding Inverter



SANMIG 250MF Pkg with Cart.

Part No: 250MF-CART

**SanRex**

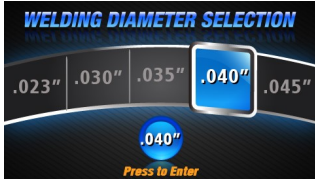
Customer Care  
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SANREX CORPORATION  
PORT WASHINGTON, NY, USA

www.sanrex.com  
SANMIG 250MF  
Form No.:020123250MF

## System Features

### Synergic - Easy Welding Setup!



Quick and easy setup of MIG, STICK and Lift TIG parameters through Synergic front panel controls.

#### Amperage /Wire Speed

Fine tuning for Amperage and Wire Feed speed.

#### Synergic Parameters

Quick and easy setup for MIG, STICK and Lift TIG.

#### EURO Gun Connection

Quick and easy connection and disconnection for welding guns.

#### Output Gas fitting & Receptacle.

Remote controls & Spool Gun.



#### Voltage Control

Fine tuning for Welding Voltage.

#### Inductance / Arc Control

Fine tuning for Arc Control and inductance.

#### Flow Through Cooling

Heat Sensing Fan.

#### Output Terminals

50mm Dinse Twist Lock.

# SANMIG 250MF

## Multi-Process Arc Welding

### System Package

SANMIG 250MF Synergic Multi-Process Welding System (Part No: IDU-W200MF-U1DV) Comes Complete With:

- SANMIG 250MF Power Supply
- 0.030" / 0.035" (0.8mm / 0.9 mm) V Grooved Drive Roll (Installed).
- Argon Flowgauge Regulator & 13 ft. (4m) gas Hose.
- 250 Amp Electrode Holder & 9.7 ft. (3m) Lead.
- 250 Amp Ground Clamp & 10 ft. (3m) Lead.
- 250 Amp MIG Gun with 15 ft. (4m) Cable. (With TWECO® Consumables)
- Power Cord 10 ft. (3m) and NEMA 6-50P 230VAC Plug.
- 230V-115V Adaptor Plug and Cable.
- Operators Manual



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## Specifications


|  |
|--|
| <b>Input Voltage</b><br>120-240V, 1 Phase  |
| <b>Rated Output @ Duty Cycle</b><br>140A @ 35% (120V)<br>250A @ 25% (208-240V, 1 Ph) |
| <b>Input Frequency</b><br>50/60 Hz   |
| <b>Output Range</b><br>10-140 (120vac) 10–250A (230vac)                              |
| <b>Material Thickness</b><br>Max 3/8" Ferrous Metals                                 |
| <b>Approvals</b><br>CSA; IEC 60974-1   |
| <b>Weight</b><br>48.5 lbs (22 kg)  |
| <b>Dimensions (HxWxD)</b><br>18.9" x 11.02" x 24.22"<br>480 x 280 x 615 mm)          |



## Ordering Information

| Product                             | Part Number     | Description  |
|-------------------------------------|-----------------|--|
| SANMIG 250MF Pkg.                   | IDU-W250MF-U1DV | Includes 250MF Power Supply, 13t. MIG Gun, 10ft. Work Lead and Electrode Holder, 120/240 vac adaptor, 10ft. Gas Hose and Regulator Flow-gauge. |
| 250MF w/Cart                        | 250MF-CART      | SANMIG 250MF Pkg. with Cart.   |
| 250MF w/cart, Spool Gun             | 250MF-CS        | SANMIG 250MF Pkg. with Cart and Spool Gun.   |
| 250MF w/Cart, TIG Torch & Spool Gun | 250MF-CALL      | SANMIG 250MF Pkg. with TIG Torch and Spool Gun.  |

### Accessories

|  |          |  |
|--|----------|--|
|  | MSG-0001 | Spool Gun with Tweco Consumables and 20ft. (6m) Cable. |
| TIG Torch  | TK1022   | 10ft. (3m) 200 Amp 26 Style w/remote ON/OFF control.   |
| Cart   | MS-1017  | Cart with Tool Box, Fixing bars and Cylinder Rack.     |