

# MULTI PROCESS

● Light Industrial    ● Medium Industrial

MULTI PROCESS 231 SLM

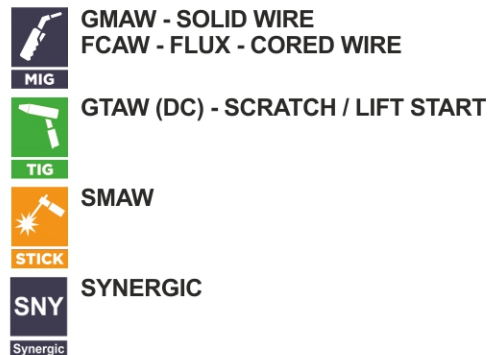
The Mutiprocess 231 SLM is a high-tech, synergetic, powerful, and portable inverter welding machine, equipped with an LCD panel and a saving program facility. This unit is capable of Stick welding, MIG welding and TIG welding with a lift start in manual or synergic mode. The combination of synergic control and job programming ability makes this unit user-friendly for less experienced welders looking to perform high quality welds. It features a LCD display which walks the user through setup one step at a time and then automatically adjusts its parameters to meet the required use. It's like having your own personal welding expert right there with you! The voltage of this unit is selectable between 230 V ( $\pm 15\%$ ) or 115 V ( $\pm 15\%$ ) which makes it suitable for any single voltage electrical network. It is the perfect choice for anyone; from a novice to the professional production welder who has speed and quality in mind. The Multiprocess 231 SLM is capable of welding with Canaweld's spool gun which ensures trouble-free Aluminum MIG welding too.

## FEATURES

- Capabilities to save up to 9 programs.
- LCD display for quick intuitive setup whether you are an expert or beginner.
- Synergic control of welding parameters by machine.
- Possibility of welding processes MIG, Flux Cored, Gasless Wires, TIG, Stick Welding.
- Tested in (104°F/40°C), designed for toughest conditions.
- Digital control of the welding parameters based on the material or gas type and the wire diameter.
- Built-in polarity changeover feature for most common gas and gasless wires and Lift TIG Arc start.
- Professional wire feeding mechanism with 30mm rolls.
- Sealed (Dust proof), powerful and durable motor of wire feeder.
- Replaceable Double groove rolls, no tools needed.
- 'Energy Saving' function to operate the power source cooling fan when necessary.
- Spool Gun Compatible.



## PROCESSES



- Generator Adapted .
- Adjustable Voltage, Wire Speed, Wave Form, Burn back (in MIG process).
- Possibility of Selection of Material, Wire Diameter, Gas, 2T/4T (in MIG process).
- Adjustable Current, Down Slope, Post gas, (In TIG process).
- Possibility of Selection of Material thickness, Tungsten Diameter, 2T/4T (In TIG Process).
- Adjustable Current, Arc Force and Material Thickness selection (In Stick welding process).
- Working possibility with Both 8 and 12-inch (203 and 305 mm) Wire Spool Size.
- Metal face panel.
- Comprehensive 3 Year Warranty.

### Multiprocess 231 SLM Technical Specification

Process	MIG/ Flux Cored	TIG (Lift ARC)	Stick Electrode	MIG/ Flux Cored	TIG (Lift ARC)	Stick Electrode
Input Voltage, Single Phase, 50/60 Hz	208 to 240 V(±10%)			105 to 120 V(±10%)		
Primary Current@Max Welding Current	28.5	19.5	29.8	31.5	23.8	27.5
Maximum Primary Effective Current (I1 eff max)	13	9.8	15.5	18	17.5	18
Programming and Saving Parameters	<b>Up to 9 JOBS</b>					
Technology of Adjustment (Manual / Synergic)	<b>Manual or Synergic</b>					
Welding Current Range	30 - 220 A	10 - 200 A	10 - 200 A	30 - 140 A	10 - 140 A	10 - 110 A
Duty Cycle @ Rated Current in 104° F (40° C)	20%@200A	20%@200A	20%@200A	25%@140A	40%@140A	30%@110A
Welding Current @ 100% Duty Cycle in 104° F (40° C)	120 A	120 A	120 A	90 A	110 A	75 A
Welding Current @ 60% Duty Cycle in 104° F (40° C)	130 A	130 A	130 A	100 A	130 A	85 A
Open Circuit Voltage : Volt	47 V			47 V		
Solid Steel Wire Size Range : inch (mm)	0.023 - 0.040 in (0.6 - 1 mm)			0.023 - 0.035 in (0.6 - 0.9 mm)		
Stainless steel Wire Size Range : inch (mm)	0.023 - 0.040 in (0.6 - 1 mm)			0.023 - 0.035 in (0.6 - 0.9 mm)		
Flux-cored Wire Size Range : inch (mm)	0.030 - 0.045 in (0.8 - 1.2 mm)			0.030 - 0.045 in (0.8 - 1.2 mm)		
Aluminum Wire Size Range : inch (mm)	0.030 - 0.045 in (0.8 - 1.2 mm)			0.030 - 0.035 in (0.8 - 0.9 mm)		
Max Wire Feeder speed : ipm (m/min)	656 ipm (16.4 m/min)			400 ipm (10 m/min)		
Wire Feeder Mechanism Material	Metal					
Wire Spool Size : inch (mm)	8 or 12 inch (203 or 305 mm)					
Weight : lb. (Kg)	49 lb. (22.5 Kg)					
Dimensions Including Handle (D,W,H) : inch (mm)	24.4 x 13.3 x 16.1 inch (620 x 340 x 410 mm)					

CANAWELD RESERVES THE RIGHTS OF CHANGING THE SPECIFICATION WITHOUT NOTICE

# MULTI PROCESS

## MULTI PROCESS 231 SLM

### Available Models :

**Multi process 231 SLM - Silver (PLC7580163)**  
Including MIG Gun

**Multi process 231 SLM - Gold (PLC7580164)**  
Including MIG Gun, TIG Torch, TIG Accessories and TIG Tungsten

**Multi process 231 SLM - Gold Plus (PLC7580166)**  
Including MIG Gun, TIG Torch, Swivel Caster Package,  
TIG Accessories and TIG Tungsten

**Multi process 231 SLM - Aluminum (PLC7580165)**  
Including MIG Gun, Spool Gun and Spool Gun Accessories



Multi process 231 SLM - Silver (PLC7580163)

## What Is Included

### MULTI PROCESS 231 SLM - Silver (PLC7580163)

ITEM	QTY	Description	PART NO.	
MIG / STICK 221	1	MIG / STICK 221	PLM7580150	
Electrode holder Set	1	Electrode holder Set (250 A - 10 ft), AWG 4	ALP1980449	
Ground Clamp Set	1	Ground Clamp Set (250 A - 10 ft), AWG 4	ALP2280095	
MIG Torch	1	MIG Torch Tweco® Style (200 A - 10 ft)	CWGPGTW200-10E	
Regulator	1	Regulator	CW-RLV-150-60CF-AR	
Gas Welding Hose	1	Gas Welding Hose	TLJ1080188	
MIG Drive Roll	1	MIG Drive Roll (0.030-0.035 Inch V Groove)	TGL0480458	
MIG Drive Roll	1	MIG Drive Roll (0.030-0.040 Inch V Groove)	TGL0480462	
MIG Drive Roll	1	MIG Drive Roll (0.030-0.035 Inch Knurld)	TGL0480464	
MIG Consumable Kits	1	MIG Torch Tweco® Style Consumable Kits	ALPMIGCON	
Adapter	1	Adapter Plug 230-120V	CGA9980060	
Spool Holder Adapter	1	Spool Holder Adapter 12" to 8"	CGA2890928	



Multi process 231 SLM - Gold (PLC7580164)



Multi process 231 SLM - Gold Plus (PLC7580166)





### Upgrade to "Gold" and get additional :

#### Multi process 231 SLM - Gold (PLC7580164)

ITEM	QTY	Description	PART NO.	
TIG Torch	1	TIG Torch 200 AMP Air Cooled (26 SERIES)	CWSG26FX-S1-12-SL-GS4-9Pin	
TIG Consumable Kit	1	TIG Consumable Kit	ALPTORCHCON26	
TIG Tungsten Electrode	1	TIG Tungsten Electrode MIX of 6	CTE500-RGB-116332	

### Upgrade to "Gold Plus" and get additional :

#### Multi process 231 SLM - Gold Plus (PLC7580166)

ITEM	QTY	Description	PART NO.	
TIG Torch	1	TIG Torch 200 AMP Air Cooled (26 SERIES)	CWSG26FX-S1-12-SL-GS4-9Pin	
TIG Consumable Kit	1	TIG Consumable Kit	ALPTORCHCON26	
TIG Tungsten Electrode	1	TIG Tungsten Electrode MIX of 6	CTE500-RGB-116332	
SWIVELCASTER	1	Swivel Caster & bracket for MIG	TGL2280100	

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



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






Multi process 231 SLM - Aluminum (PLC7580165)

### Upgrade to "Aluminum" and get additional :

#### Multi process 231 SLM - Aluminum (PLC7580165)

ITEM	QTY	Description	PART NO.	
Spool Gun SC251	1	200 AMP, 9 Pin-10ft (3 Meter) , 0.030"-0.040"/(0.8-1.0 mm)	CWICL08131	
Drive Roll	1	Drive Roll, 0.030"-0.035" (0.8-0.9 mm) U Groove for Aluminum	CWIZH0544-01	
Drive Roll	1	Drive Roll, 0.030"-0.040" (0.8-1.0 mm) U Groove for Aluminum	CWIZH0542-01	
Drive Roll	1	Drive Roll, 0.030"-0.035" (0.8-0.9 mm) V Groove for Solid wire	CWIZH0544	
Contact tip	2	Contact tip 0.030" (0.8 mm)	CWU14-30	
Contact tip	2	Contact tip 0.035" (0.9 mm)	CWU14-35	
Contact tip	2	Contact tip 0.040" (1.0 mm)	CWU14-40	
Contact tip	2	Contact tip 0.045" (1.2 mm)	CWU14-45	
Diffuser	1	Diffuser, Tweco® style, 52 Series	CWU52	
Nozzle Adjustable	1	Push On 22-50, Tweco® style, 200 AMP Bore Size 12.8 mm	CWU22-50	

### OPTIONAL ACCESSORIES

PRODUCT	PART NO.	
MIG Spool Gun CST251-10ft (3 Meter)	CWICL08131	
MIG Spool Gun CST251-13ft (4 Meter)	CWICL08141	
MIG Spool Gun CST251-20ft (6 Meter)	CWICL08161	
MIG Spool Gun 360 A -20ft	CWPGSP360A-24-N-80ER-9pin	
Welder Cart For Single Phase Machines	TGJ2250681	
Ground Clamp Set (250 A - 20 ft), AWG 4	ALP1980448	
Ground Clamp Set (250 A - 30 ft), AWG 4	ALP1980451	
Ground Clamp Set (250 A - 50 ft), AWG 4	ALP1980452	
Electrode Holder Set (250 A - 20 ft), AWG 4	ALP2280449	
Electrode Holder Set (250 A - 30 ft), AWG 4	ALP2280470	
Electrode Holder Set (250 A - 50 ft), AWG 4	ALP2280472	
TIG Torch 200 AMP Air Cooled (26 SERIES)	CWSG26FX-S1-12-SL-GS4-9Pin	
TIG Consumable Kit	ALPTORCHCON26	
Gas Fitting	CGA3180121	
MIG Gun Tweco® Style Consumable Kits	ALPMIGCON	
Superior True-View Welding Helmet Series	CWPOWER-990T-BLK	
Classic Duty Welding Helmet Series	CWELITE-550S-BLK	
Premium All-Function Welding Helmet Series	CWPOWER-980S-BLK	
Premium All-Function Welding Helmet Series	CWPOWER-980S-CO	