

# MIG WELDER

● Light Industrial

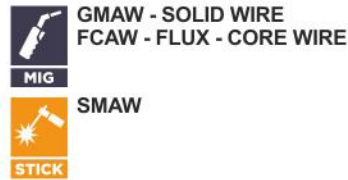
● Medium Industrial

MIG / STICK 221

The MIG/STICK 221, which is the most powerful welding machine in the MIG/STICK series, is a powerful, lightweight, portable, and versatile MIG/Stick welding machine. This machine can weld up to 3/8-inch steel in MIG or SMAW mode. With a very steady arc, it has the capability of working with 0.023–0.045-inch MIG wire or up to 3/16-inch SMAW rods (please check the technical sheet for more details). Because of these features, MIG/ Stick 221 is an excellent choice for light to medium duty welding operations in your garage, at home, or at your local auto body shop.



## PROCESSES



## FEATURES

- Wide range of welding amperage up to 220A  
High power output, 170A @ 100% Duty Cycle & 200A @ 35% Duty Cycle.
- Designed for extreme environments and tested in (104°F/40°C).
- Inverter power supply with excellent MIG and Stick welding qualities.
- Automatic compensation for main power fluctuations within  $\pm 20\%$ .
- Capability to use of up to 165 feet (50 metres) of lead without power loss at the weld.
- High-quality metal double drive roll system for accurate and consistent wire feed, preventing bird nesting.
- Welds steel and aluminium up to 3/8" thick.
- The most acquire settings by using the graduated knob.
- Automatic regulation of the wire speed by using the motor voltage feedback to provide an exceptionally steady arc with a minimum splatter.
- Overheat prevention by using a fan and thermal protection.
- Built-in polarity changeover feature for most common gas and gasless wires.
- Metal face panel.
- Spool gun compatible.
- Both 8 and 12-inch (203 and 305 mm) Wire Spool Size.
- Comprehensive 3 Year Warranty.

### MIG/STICK 221 Technical Specification

Process	MIG/ Flux Cored	Stick Electrode
Input Voltage, Single Phase, 50/60 Hz	208 to 240 V(±10%)	
Primary Current@Rated Maximum Welding Current (@240V)	37 A	38 A
Maximum Primary Effective Current (I1 eff max) (@240V)	27 A	29 A
Technology of Adjustment (Maual / Synergic)	<b>Manual</b>	
Welding Current Range	30 - 220 A	10 - 200 A
Duty Cycle @ Rated Maximum Welding Current at 104o F (40o C)	35% (200 A)	35% (200 A)
Welding Current @ 100% Duty Cycle at 104° F (40° C)	170 A	160 A
Welding Current @ 60% Duty Cycle at 104° F (40° C)	190 A	180 A
Open Circuit Voltage : Volt	52 V	
Output Voltage Range : Volt	14.5 - 24 V	20.4 - 28 V
Solid Steel Wire Size Range : inch (mm)	0.023 - 0.040 in (0.6 - 1 mm)	
Stainless steel Wire Size Range : inch (mm)	0.023 - 0.040 in (0.6 - 1 mm)	
Flux-cored Wire Size Range : inch (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)	
Max Wire Feeder speed : ipm (m/min)	630 ipm (16 m / min)	
Wire Feeder Mechanism Material	Metal	
Wire Spool Size : inch (mm)	8 or 12 inch (203 or 305 mm)	
Weight : lb. (Kg)	42 lb (19 Kg)	
Dimensions Including Handle (D,W,H) : inch (mm)	23.8 x 11 x 15.15 inch (605 x 280 x 385 mm)	

CANAWELD RESERVES THE RIGHTS OF CHANGING THE SPECIFICATION WITHOUT NOTICE



High Grade Metal Dual Drive Roll System For Precise And Constant Wire Feed That Prevents bird nesting



Working Possibility With Both 8 And 12-Inch (203 And 305 mm) Wire Spool Size



# MIG WELDER

MIG / STICK 221

## Available Models :

**MIG/STICK 221, Silver Package (PLC7580152)**  
Including MIG Gun

**MIG/STICK 221, Aluminum Package (PLC7580153)**  
Including MIG Gun, Spool Gun and Spool Gun Accessories



MIG/STICK 221, Aluminum Package (PLC7580153)



MIG/STICK 221, Silver Package (PLC7580152)

## What Is Included

### MIG/STICK 221, Silver Package (PLC7580152)

















ITEM	QTY	Description	PART NO.	
MIG / STICK 221	1	MIG / STICK 221	PLM7580154	
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	

## Upgrade to "Aluminum" and get additional :

### MIG/STICK 221, Aluminum Package (PLC7580153)

ITEM	QTY	Description	PART NO.	
Spool Gun Sc251	1	9 Pin-10ft (3 Meter) , 0.030"-0.040" (0.8-1.0 mm)	CWICL08131	
Consumable Set	1	Spool Gun Sc251 Consumable Set	ALPCST251	

### OPTIONAL ACCESSORIES

PRODUCT	PART NO.	
MIG Spool Gun CST251 (3 Meter)	CWICL08131	
MIG Spool Gun CST251 (4 Meter)	CWICL08141	
MIG Spool Gun 360 AMP (9pin)	CWPGSP360A-24-N-80ER-9pin	
MIG Spool Gun 360 AMP (5pin)	CWPGSP360A-24-N-80ER-5pin	
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	
Gas Inlet	CGA3180121	
MIG Torch 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	