



# POWERCRAFT® 250M 4-in-1 WELDER

## MIG • STICK • AC and DC TIG

**NEXT LEVEL PERFORMANCE AND CAPABILITY**



**SPOOL GUN READY\***



# POWERCRAFT® 250M 4-in-1 WELDER

## FEATURES (Product number: K69089-1)

### OVERVIEW

The Powercraft® 250M is a 4-in-1 industrial quality inverter-based welder suitable for various all position welding work. Capable of MIG (GMAW), Flux-cored (FCAW), Pulse AC/DC TIG (GTAW), Lift DC TIG, High Frequency AC/DC TIG and Stick (SMAW/MMA) processes.

### FRONT PANEL FUNCTIONS

- The digital LCD user interface – using simple EZYSET™ technology, allows for easy continuous adjustment of voltage, wire feed and setting of welding parameters.
- All programs are easily accessed including Synergic control of amps and volts with one knob control.
- Fine adjustments to the voltage are possible giving you greater control of the weld pool.

### BEST PERFORMANCE

- New pulse width modulation (PWM) technology and insulated-gate bipolar transistor (IGBT) inverter technology
- Active power factor correction (PFC) technology for increased duty cycle and energy efficiency.
- Multi voltage input – can be used with long extension leads (up to 20m).

### SAFETY FIRST

- Built-in automatic protection functions to protect the machine from over-voltage, over-current and overload.
- VRD provides added safety to the welding operator.
- IP23S rating for environmental/safety protection.

### MIG PROCESSES

- Synergic programs for aluminium, mild steel, stainless steel and copper-silicon
- 2T, 4T, spot welding modes – HF only AC and DC
- Function parameter adjustment
- Weld with gasless or FCAW wire for excellent welding results.

### STICK PROCESSES

- VRD function for added safety
- Hot start improves electrode starting
- Adjustable Arc Force, additional amperage helps prevent the arc from extinguishing
- High quality results on cast iron, stainless and low hydrogen materials.

### TIG PROCESSES

- Pulse AC/DC TIG.
- High frequency AC/DC TIG.
- 2T/4T trigger control.
- Adjustable up and down slope.
- Spot welding mode for TIG HF.
- High Frequency Arc ignition
- Lift Arc ignition for starting in an exact joint location, prevents tungsten sticking during arc ignition
- HF AC/DC TIG delivers perfect arc ignition and smooth stable arc producing high quality TIG welds.
- Functionality includes pulse, adjustable up and down slope and pre/post gas flow.

### MATERIAL APPLICATIONS

Wide range of materials from stainless steel, carbon steel, alloyed steel and aluminium.

### APPLICATIONS

General fabrication, sheet metal, maintenance, general DIY, architecture equipment, car repair, rural and workshop environments.

## OPTIONAL ACCESSORIES



### POWERCRAFT PC4R WIRE FEEDER

- A four roll wire feeder with 8m of interconnection cable adds flexibility to your next project.

Product number: K69090-1



### SPOOL GUN

- Powercraft 250M is spool gun ready with a simple connection.
- Can be used on thin, softer wires to remove wire feeding issues (such as 4,043 series aluminium wire). Product number: K69083-1

# POWERCRAFT® 250M 4-in-1 WELDER

## OVERVIEW (Product number: K69089-1)



TIG torch features in-built remote control on the handle.



### READY-TO-WELD CONTENTS:

- Powercraft 250M power source.
- MIG gun (3m).
- TIG torch (4m).
- Electrode holder (3m).
- Work return lead (3m).
- Flowmeter.
- Gas hose.
- Input lead 15 amp plug (3m).
- Drive rolls solid 0.6/0.8mm and 0.8/0.9mm.
- 0.9mm contact tip (inside the MIG gun)
- Instruction manual.

Please note: Accessory images are for illustration purposes only and may represent the range of product, designs may vary.



# POWERCRAFT® 250M 4-in-1 WELDER

## SPECIFICATIONS (Product number: K69089-1)

<b>Input voltage (V) / phase</b>	240±10% / 1		
<b>Frequency (HZ)</b>	50/60		
	<b>MIG</b>	<b>TIG</b>	<b>Stick VRD</b>
<b>Maximum input current (A)</b>	35.2	27	37.8
<b>Input effective current I<sub>eff</sub> (A)</b>	15	12.2	14.6
<b>Input power (KW)</b>	8.4	6.5	9
<b>Welding current (A)</b>	30-250	10-250	10-250
<b>Max no-load voltage (V)</b>	70	70	70
<b>Duty cycle</b>	18% 250A 60% 140A 100% 105A	20% 250A 60% 145A 100% 110A	15% 250A 60% 125A 100% 95A
<b>Power factor (%)</b>	0.99		
<b>Diameter (mm)</b>	Fe: 0.6/0.8/0.9/1.0/1.2 SS: 0.8/1.0 Flux-Cored: 0.6/0.8/0.9/1.2 Al: 1.2		
<b>Protection class</b>	IP23S		
<b>Circuit breaker</b>	40A "D" Class		
<b>Dimensions (mm) H x W x D</b>	950 x 540 x 840		
<b>Weight (Kg) machine only</b>	53.5		
<b>Generator compatible</b>	Yes		
<b>Generator requirements</b>	Output: ≥ 8kVa / Output range: 190-265 volts / Peak max: 370 volts / Frequency: 50-60Hz		

### PACKAGE

- Powercraft 250M power source.
- Powercraft PC4R wire feeder
- MIG gun (3m).
- TIG torch (4m).
- Electrode holder (3m).
- Work return lead (3m).
- 8m of interconnection cable.
- Flowmeter.
- Gas hose.
- Input lead 15 amp plug (3m).
- Drive rolls solid 0.6/0.8mm and 0.8/0.9mm.
- 0.9mm contact tip (inside the MIG gun)
- Instruction manuals.

Product number: K69089-1P



#### CUSTOMER ASSISTANCE POLICY

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**The Lincoln Electric Company (Australia) Pty. Ltd.**  
35 Bryant Street Padstow NSW 2211 Australia  
Ph: 1300 728 720 (AU) | 0800 728 720 (NZ)  
[www.lincolnelectric.com.au](http://www.lincolnelectric.com.au)

