



180i MP[®] DV WELD-PAK[®]

- Multi-Process
MIG, Flux-Cored, Stick,
TIG, Aluminum
- Dual-Voltage
- Inverter Technology

**LINCOLN[®]
ELECTRIC**

180i MP[®] DV WELD-PAK[®]

MIG • FLUX-CORED • STICK • TIG • ALUMINUM

Big Value and Performance in a Small Package

The Weld-Pak[®] 180i MP[®] DV is a multi-process, dual-voltage welder that can **get you welding in less than 10 minutes right out of the box**. It's built for hardworking professionals, but easy enough for anyone to use regardless of skill level. This rugged machine lets you weld up to 1/2" thick materials and can handle MIG, flux-cored, stick, TIG and aluminum welding.

It may pack a lot of power, but the portable 180i MP only weighs 34.5 pounds so you can use it anywhere you can plug it in. And with automatic process detection, an inverter-based system to keep energy bills down and a simple interface, the 180i MP adds value and ease of use to the standard Lincoln Electric field-proven dependability and industry-leading support.

Rugged and dependable — **you will never have to buy another one!** Find it in stores or online at your favorite retailer.

Applications

- › Contractors
- › Metal Fabrication
- › Farm and Ranch
- › Maintenance and Repairs
- › Light Construction
- › Autobody Shops
- › Hobby and Home



Scan here to see the
Weld-Pak[®] 180i MP[®] DV in action.

WHAT'S INCLUDED

The Weld-Pak® 180i MP® DV welding machine is a lightweight and portable welder that connects to 120 or 230 volt power. This machine is an excellent choice for MIG, Flux-Cored, Stick and DC TIG welding. **You only need to buy one** machine for all of these processes. The intuitive user interface, easy setup and a host of accessories has you welding in no time.

300 Amp ground clamp (KH525)

6 foot, 6 gauge work cable (M26158)

with DINSE style connector

Wire spool adapter (KH720)

Spindle adapter for 10 and 12.5 lb. (8-in. diameter) spools

230 Volt to 120 Volt adapter [9SS35587]

Easily switch between 230 and 120 volts, features 6-50P NEMA plug.

Shielding gas regulator and hose (KH738)

Up to 60 SCFH gas delivery, and a 6 foot inert gas hose for use during MIG and TIG welding.

Contact tips and nozzles

- .025 in. (0.6 mm) contact tips (Qty 1) (KH710)
- .030 in. (0.7 mm) contact tips (Qty. 1) (KH711)
- .035 in. (0.9 mm) contact tips (Qty. 1) (KH712)
- Gas nozzle for MIG welding (KH725)
- Gasless nozzle for Innershield® welding (KH726) pre-installed on MIG gun

MAGNUM® 100L MIG gun (K5342-1)

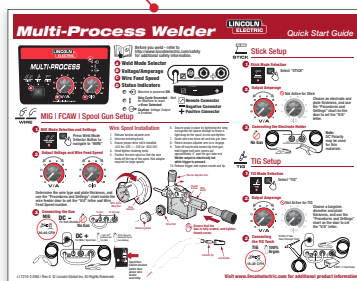
Includes 10 ft. (3.0 m) cable assembly with brass connection and 8-pin trigger connector

200 Amp stick electrode holder (KH520)

6 foot, 6 gauge work cable (M26158)

with DINSE style connector

Quick start guide



Process chart

Process	Shielding Gas	Electrode	Wire Size	Travel Speed	Amperage	Voltage	Gas Flow	Preheat	Interpass
MIG	Ar/CO2	E7018	1/8"	10-15 in/min	100-150	18-22	15-25	None	None
Flux-Cored	Ar/CO2	E7018	1/8"	10-15 in/min	100-150	18-22	15-25	None	None
Stick	None	E7018	1/8"	10-15 in/min	100-150	18-22	None	None	None



SIMPLE USER INTERFACE AND CONTROLS



1. Carrying handle that can be used while wearing welding gloves
2. Impact resistant front protects controls and connectors
3. Single button for multi-process selection capable of wire, TIG and stick welding
4. Solid brass welding gun connection, resists corrosion and provides maximum electrical connection
5. 8-pin connector for connecting TIG foot pedal, or MAGNUM® spool gun
6. Toolless polarity changes for for MIG and Flux-cored welding processes
7. 18 gauge metal case provides protection from the elements
8. Built in thermal protection to prevent damage to internal components
9. Voltage and wire speed knobs with built in indicators
10. Vented front for pull through fan cooling
11. Solid brass connectors providing the maximum supply of current

WELD-PAK® 180i MP DV SPECIFICATIONS

Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/ Voltage/Duty Cycle	Input Current@ Rated Output	Output Range	Wire Feed Speed ipm (m/min)	H x W x D in (mm)	Net Wt lb (kg)
K5257-1	120/230/1/60	165A/22V/30% MIG 165A/16.6V/30% TIG 160A/26.4V/25% Stick	20A	30-180A MIG 10-165A DC TIG 25-160A Stick	40-500 (1.3-17.7)	13.6 x 8.9 x 18.1 (345 x 224 x 460)	34.5 (15.6)



1. Toolless welding wire changes
2. Solid aluminum wire feed body with enclosed gear box delivers consistent wire feed
3. Built in latch secures machine during transport and storage
4. Attached process chart for machine setup
5. Switch allows for selection between of spool gun or standard MIG gun
6. Oversized drive tension adjustment knob with easy to read tension indicators
7. Dual-track (smooth and knurled) drive roll ensures positive solid and flux-cored wire feeding
8. Polarity cable storage to store cable when not in use



NR[®]-211-MP is a self shielded welding wire suitable for all-position welding of light gauge to a maximum plate thicknesses in the range of 5/16 in. to 1/2 in.

SuperArc[®] L-56[®] is Lincoln Electric's premium copper coated MIG wire and an excellent choice for welding on mild steel metal applications.

SuperGlaze[®] 4043 can be used on many weldable cast and wrought aluminum alloys. Generally recommended for welding 5052, any 6XXX series alloys and castings.



USE WITH THESE LINCOLN WELDING WIRES

Process	Wire Dia. (in.)	24ga.	22ga.	20ga.	18ga.	16ga.	14ga.	12ga.	10ga.	3/16"	1/4"	5/16"	3/8"
		Flux-Cored Welding - Steel	.030										
	.035												INNERSHIELD [®] NR [®] -211-MP SP MP
MIG Welding - Steel	.025												SUPERARC [®] L-56 [®] SP
	.030												SUPERARC [®] L-56 [®] SP
	.035												SUPERARC [®] L-56 [®] SP
MIG Welding - Aluminum ⁽¹⁾	.035												SUPERGLAZE [®] 4043 SP

⁽¹⁾ Aluminum welding requires optional K5341-1 Magnum[®] spool gun.

SP - Single Pass MP - Multiple Pass

USE WITH THESE LINCOLN STICK ELECTRODES

AWS DESIGNATION	LINCOLN BRAND	USE WITH
6011	FLEETWELD [®] 180	RUSTY METAL
6013	FLEETWELD [®] 37	SHEET METAL
7014	FLEETWELD [®] 47	HEAVY SECTIONS
7018	LINCOLN [®] 7018AC	ALL POSITIONS
6010	FLEETWELD [®] 5P+	DEEP PENETRATION
Est	FERROWELD [®]	CAST IRON
308	EXCALIBUR [®] 308	STAINLESS STEEL

Lincoln Electric offers stick electrodes for mild and low alloy steel welding. Various coating types are available for a wide range of applications.

Electrodes are available in pack sizes of 1, 5 Lb, 10 and 50 pounds.



USE WITH THESE LINCOLN TIG FILLER RODS

AWS DESIGNATION	LINCOLN BRAND	USE WITH
ER70S-2	LINCOLN ER70S-2	CHROME-MOLY
ER70S-6	LINCOLN ER70S-6	MILD STEEL
ER80S-D2	LINCOLN ER80S-D2	FOR HIGHER STRENGTH



GENERAL OPTIONS

Welding Cart

Full-featured cart is designed to store and transport a welder, 80 cubic foot gas cylinder, welding cables and accessories. Includes an angled top shelf for easy access to welder controls, a lower tray for added storage space, a sturdy handle also used as a convenient cable wrap hanger. **(P/N: K2275-3)**



PTA-17 TIG Torch

Light and easy to use, these torches give you the power of maximum versatility and maneuverability. A molded, knurled handle gives you a sure grip so you can focus on the weld, whether you are an occasional TIG welder, fabrication shop or production welder.



- 125 Amp TIG torch **(P/N: K1782-16)**
- 150 Amp TIG torch **(P/N: K1782-17)**

Foot Pedal

This TIG foot pedal controls the amperage when TIG welding. Depress pedal to increase current. Depressing pedal fully achieves maximum set current. Fully raising the pedal finishes the weld and starts the after flow cycle. This foot pedal will give the optimum amperage needed for any TIG welding project.



(P/N: K4361-1)

Magnum® 100SG Spool Gun for Aluminum Welding

Designed to easily feed 4 in. (102 mm) diameter 1 lb. (0.45 kg) spools of .030 in. (0.8 mm) or .035 in. (0.9 mm) diameter SuperGlaze® aluminum MIG wire. Includes gun, adapter kit, .035 in. (0.9 mm) contact tips (qty. 3), gas nozzle, and a 1 lb. (0.45 kg) spool of SuperGlaze® 4043 .035 in. (0.9 mm) MIG wire. Packaged in a convenient carrying case. **(P/N: K5341-1)**



PROTECTIVE GEAR

Welding and cutting can be fun, but without taking the proper safety precautions, you can risk injury. By following the manufacturer's recommended safety protocols, you can count on years of enjoyment without any unnecessary danger.

Lincoln Electric offers a full line of personal protection equipment (PPE) to keep you safe while welding and cutting.

Helmets and Eye Protection



For more information visit:

www.lincolnelectricretail.com/products/helmet-and-accessories

Welding Jackets and Gloves



For more information visit:

www.lincolnelectricretail.com/products/welding-jackets-and-gloves



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For more details, visit:

www.LincolnElectricRetail.com



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