

Pro-MIG[®] 180



208/230 Volt AC Input Compact Wire Welder

Get it done with the Pro-MIG 180 for farm, light fabrication, auto or home projects! If you have access to industrial 208/230 volt input power, you can weld on thicker material – up to 3/16" with MIG welding and 1/2" with gas-less flux-cored welding.

Simple two knob tapped control makes it easy to tackle thin steel, stainless or aluminum sheet metal with MIG or thicker steel with flux-cored welding. Compare the precise drive, rugged construction and full list of standard accessories. . . Lincoln Pro-MIG is an excellent choice!



Shown:
K2481-1 Pro-MIG[®] 180

Output



Input



Processes

MIG, Flux-Cored



Advantage Lincoln

Superior Arc Performance:

- **Forgiving arc** makes dialing in your application easy.
- **Smooth arc starts** with minimal spatter.
- **Wide 30-180 amp welding output range** – use .025" wire on the thinnest sheet metal up to .045" flux-cored wire on thick plate.
- **MIG weld 24 gauge up to 3/16"** sheet metal in a single pass. Weld up to 1/2" steel using self-shielded Lincoln Innershield[®] wire (FCAW-S).

Professional Features:

- **Precise Wire Drive** features:
 - Precision full adjustment drive system reduces chance of wire tangling and crushing.
 - Brass-to-Brass gun connections for enhanced connectivity.
 - Large industrial closed-design drive motor for improved torque and trouble-free performance.

- **Spool Gun Ready** – add the optional Magnum 100SG spool gun for reliable operation at the high wire feed speeds aluminum welding demands. No expensive outboard modules required.
- **No Hassle Tool-less Design** – for wire spool mounting, wire drive service and polarity changes.
- **Innovative contact tip, drive roll and nozzle storage** – keeps all your consumables close at hand.

Superb Quality:

- **Power Chassis[™]** channels airflow to cool power systems, structurally secures key components and traps wires and cables to avoid unnecessary abrasion.
- **Toughest PC Board Protection in the industry** – 'Potted' to seal sensitive components from the environment, 'trayed' in a tough plastic tray to add rigidity and shock resistance.
- **Three Year Lincoln Warranty/90 Days on gun and cable assembly.**

TECHNICAL SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimensions H x W x D inches (mm)	Net Weight lbs. (kg)
Pro-MIG [®] 180	K2481-1	208/230/1/60	208: 130A/17V/30% 230: 130A/20V/30%	20A	30-180 Amps DC 50-500 ipm WFS (1.3-12.7 m/min) Max. OCV: 33	14 x 10.15 x 18.6 (357 x 258 x 472)	66 (30)



A CLOSER LOOK

SUPERIOR ARC PERFORMANCE

- **Forgiving arc characteristics** make dialing in your application easy.
- **Smooth arc starts** with minimal spatter.



Farm Welding



Home Projects



Repair Work

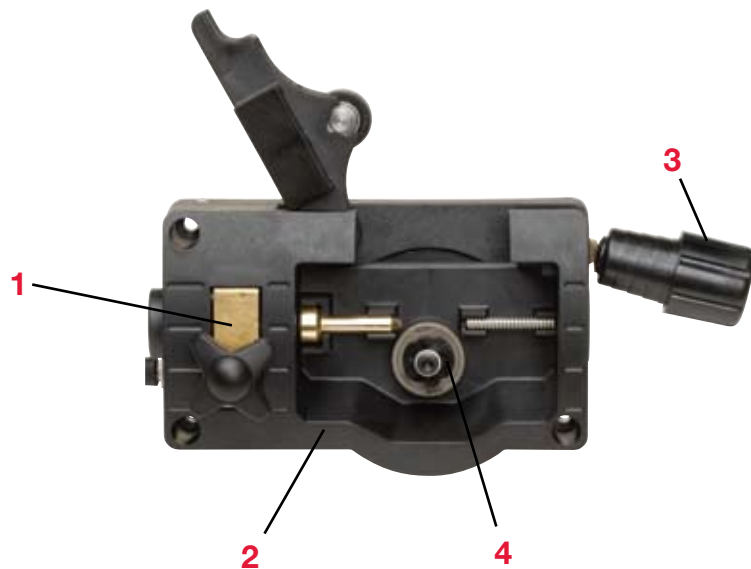
PRECISE WIRE DRIVE

Enhanced Quality

1. Brass Gun Connection Enhances Connectivity
2. Rigid Drive Aids Wire Alignment

Easy to Use

3. Easy Turn Tension Adjustment
4. Tool-less Quick Lock Drive Roll Changeovers



PRECISION ALUMINUM WELDING

Magnum® 100SG Spool Gun

Our low-priced spool gun is your most reliable aluminum feeding solution.



Great For Projects or Repair



Complete Kit. No Bulky Module Required.
Order K2532-1

RECOMMENDED OPTIONS

GENERAL OPTIONS CONT.

Small Canvas Cover

Protect your welder when not in use. Made from attractive red canvas that is flame retardant, mildew resistant and water repellent. Includes a convenient side pocket to hold your welding torch or gun.

Order KH495

Spot Timer Kit

This timer allows you to set a fixed weld time of up to 10 seconds that is initiated when you pull the gun trigger. Ideal for making consistent spot welds on thin sheet metal.

Order K2525-1



WIRE FEEDER OPTIONS

Magnum® 100SG Spool Gun

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

Order K2532-1

.045" (1.1 mm) Innershield® Kit

Includes everything required to weld with .045" (1.1 mm) Innershield® self-shielded flux-cored wire. Includes an .035"-.045" (0.9-1.1 mm) Magnum® 100L gun liner, a .045" (1.1 mm) contact tip, a gasless nozzle, knurled drive roll, .045" (1.1 mm) inner wire guide and a 10 lb. (4.5 kg) spool of .045" (1.1 mm) Innershield® NR®-212 wire.

Order K2528-1



PRO-MIG® 180 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
Pro-MIG® 180 – 208-230/1/60	K2481-1		
Recommended General Options			
Welding Cart	K2275-1		
Utility Cart	K520		
Small Canvas Cover	KH495		
Recommended Wire Feeder Options			
Magnum 100SG Spool Gun	K2532-1		
.045" (1.1 mm) Innershield® Kit	K2528-1		
Spot Timer Kit	K2525-1		
TOTAL:			

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric® for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

Lincoln Electric® is a responsible manufacturer, but the selection and use of specific products sold by Lincoln Electric® is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric® affect the results obtained in applying these types of fabrication methods and service requirements.

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