

AC-225C



AC-225C includes insulated electrode holder, heavy duty work clamp, sample pack of electrodes, Welder's Guide, and input cable with attached plug. Shown above with K911-1 headshield (not included).

The AC-225C is an arc welding power source with continuous output control from 40-225 amps. The AC-225C produces an extremely smooth welding arc, at any amperage setting, for any welding application. The AC-225C can be used for a variety of materials including carbon, low alloy and stainless steels, from 16 gauge sheet metal to heavy plate.

Welding applications include maintenance repairs, fabricating or modifying equipment, building tools and fixtures, rebuilding worn parts or

dies, and hardfacing new or worn parts for longer service life. Also used to repair or fabricate cast iron parts.

The optional Carbon Arc Torch is also available for brazing or soldering applications, to heat rusty nuts for easier removal and can be used for bending or straightening metals.

Important Safety Note: This welder is not recommended in electrically hazardous conditions such as: damp locations, while wearing wet clothing, on metal structures, or in cramped positions. Use a DC stick or wire welder.

ADVANTAGE LINCOLN

- Easy to install. Comes with input power cable and plug.
- Easy to operate with full range continuous amperage output control.
- Low cost operation, only a few cents per welding hour.
- Compact size allows for easy storage and handling.
- Electrode selection chart on the machine case provides quick and easy reference guide for amperage selection.
- Smooth arc makes it easy to weld with different electrodes, including mild steel, low hydrogen, stainless steel and hardfacing electrodes.
- 225 amp AC output is enough for 3/16 general purpose mild steel electrodes and 5/32 sizes of other electrodes.
- Moisture resistant transformer with high temperature insulation for long equipment life.
- Powder Paint finish for increased durability.
- NEMA rated.
- UL listed.
- CSA approved.
- 3-year warranty including parts and labor.
- Manufactured under a quality system certified to ISO 9002 requirements.

THE TOTAL SOLUTION

To obtain the best welding performance, Lincoln electrodes are strongly recommended. They are designed for easier arc striking and a more stable arc when used with the AC-225C.

FOR STAINLESS APPLICATIONS:

Lincoln's RED BARON™ line of stainless steel electrodes offer outstanding quality and performance. The most popular and commonly used stainless electrodes are the RED BARON 308, 309, and 316 type electrodes.

FOR MILD STEEL APPLICATIONS:

Lincoln's Fleetweld® 37 and 57 are general purpose electrodes, primarily used for general fabrication and repair

of mild steel parts or equipment.

Lincoln's Fleetweld 180 electrode is used in applications where a driving, deep penetrating arc is required. Lincoln's 7018 AC is recommended when a high quality, low hydrogen weld deposit is required.

FOR HARDFACING APPLICATIONS:

The Wearshield® line of electrodes offers a variety of hardfacing combinations for buildup, abrasion, impact, metal to earth, and metal to metal wear.

TECHNICAL SPECIFICATIONS

Product Name	Ordering Information	Input AC Voltage	Rated AC Output Amps/Volts/Duty Cycle ⁽¹⁾	Input Amps at Rated AC Output	Output Range	Weight (net)	Dimensions H x W x D
				230V			
AC-225C	K1357	230 1 Phase 60 Hz	Rated Output 170A / 25V / 20% Maximum Output 225A / 25V / 10% Maximum O.C.V. 58	Rated Output 45A Maximum Output 50A	40-225	84 lbs. (38 kg)	15.25 x 14 x 13.5 in. (387 x 356 x 343 mm)

⁽¹⁾ Based on a 10 minute period.

RECOMMENDED OPTIONS

- **Utility Cart** - Accommodates an AC-225C, tools and welding accessories. Includes an adjustable handle, front casters, and rear wheels. **Order K520**
- **Carbon Arc Torch** - Increases versatility of the welder. Some applications include welding aluminum and copper alloys, heating, bending and straightening, brazing and soldering. Convenient thumb control. Rated at 100A at 40V. **Order L2645**



**THE
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COMPANY**

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E2.40 7/98**

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