

ARC TRACKER™

Processes

- DC Arc Welding Circuits Only
(10-1000 A at 100% Duty Cycle)
- Any DC Polarity Welding Process
- Any Welding Equipment

Product Number

K3019-1

Input Power

120-230/1/50/60

Current Draw

0.8A on 120V AC

Rated Operating Range

NEMA EW1 and IEC60974-1:

10-1000A at 100% Duty Cycle

1-44V DC

Weight/Dimensions (H x W x D)

20 lbs (9 kg)

12 x 9 x 15 in

(305 x 220 x 380 mm)

Arc Tracker™ Portable, Powerful Weld Performance Monitoring

Connect the Arc Tracker™ between any DC welding power source and the work clamp to access a wide array of data monitoring information regarding your welding arc, including True Energy™ and Production Monitoring™.

FEATURES

- ▶ **Accurately Monitor Welding Parameters** – Advanced digital controls sample the welding parameters at extremely high speeds.
- ▶ **Broad Compatibility** – The Arc Tracker™ is compatible with any DC welding process power source and wire feeder.
- ▶ **Simple Plug-n-Play Design** – Connect to any DC welding circuit, attach voltage sense leads and begin monitoring weld performance immediately.
- ▶ **Variable Input Voltage** – The Arc Tracker™ auto-senses any input voltage between 120 – 230 volts AC.
- ▶ **Ethernet Connection** – Communicates weld data status to your network via standard Ethernet.
- ▶ **Factory Quality System Integration** – Easily calibrated for use in factory quality systems.
- ▶ **Powerful Software Tools** – Arc Tracker™ software tools are available at powerwavesoftware.com, including:
 - Power Wave® Manager
 - Production Monitoring™

Visit frequently for updated software and expanded capabilities.



APPLICATIONS

- ▶ Conventional and wave-controlled DC welding processes
- ▶ Code Quality Welding, especially those applications requiring heat input records

INPUT



OUTPUT



WHAT'S INCLUDED

K3019-1 Arc Tracker™ Includes:

- ▶ Detachable input cord 6 ft. (2 m) with NEMA 5-15P plug and an IEC 60320 plug receptacle.
- ▶ Polarity specific arc voltage remote sense leads 15 ft. (4.5 m) (Qty - 2).



Two Year Extended
Warranty Available
in the U.S.A. and
Canada

IP23 Rated

Limitations – The Arc Tracker™ does not support Production Monitoring™ wire feed speed and deposition rate data, consumable package tracking and WeldScore™ functionality.



KEY CONTROLS

Front Panel

1. Amps Display
2. Volts Display
3. Volts Calibration Knob
4. Amps Calibration Knob
5. Message Display
6. User Preference/ Calibration Button (Left)
7. Setup Mode LED
8. ON/OFF Switch
9. User Preference/ Calibration Button (Right)
10. User Preference/ Calibration Knob
11. Status LED
12. Voltage Sense Lead Connector
13. Ethernet Connector



Back Panel

(TERMINAL COVERS NOT SHOWN)

1. Left Weld Terminals (Weld Current IN)
2. Right Weld Terminals (Weld Current OUT)
3. Input Cord Receptacle



PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Operating Range	Current Draw	H x W x D inches (mm)	Net Weight lbs. (kg)
Arc Tracker™	K3019-1	120-230/1/50/60	NEMA EW1: 1000A at 44VDC/100% Duty Cycle IEC60974-1: 1000A at 44VDC/100% Duty Cycle	0.8A at 120VAC	12 x 9 x 15 (305 x 220 x 380)	20 (9)

RECOMMENDED INPUT CABLE

- ▶ 120 Volt Input (North America) (Included with Unit. Standard computer desktop power cord for maximum versatility) – 3 Conductor, #18 AWG with NEMA 5-15P Plug
- ▶ 230 Volt Input (North America) (Not Included) – 3 Conductor, #18 AWG with NEMA 250 V Type Plug (per UL498)
- ▶ 230 Volt Input (Europe) (Not Included) – 3 CONDUCTOR, 1.0 mm² HAR with CEE 7/7 Plug

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

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 information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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