

# VIKING™ Auto-Darkening Welding Helmets

**VIKING™**  
WELDING HELMETS

## Processes

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging, Grinding

## Product Number

See page 4 for all models

See page 4 for complete specs

## Viewing Area

700G & 750S: 3.78 x 1.85 in (96 x 47 mm)

## Variable Shades

DIN 9-13

## Light to Dark Switching

1/25,000 sec.

## Arc Sensors

700G & 750S: 2

## Light State/Grind Mode

DIN 3.5

## TIG Amp Rating

DC<3 Amp; AC<5 amp

## Power Supply

700G & 750S: Solar Cells

## Rugged, Light Weight. Feature-packed.

VIKING™ solar-powered auto-darkening helmets are loaded with features, built to demanding specs and packaged with a host of accessories.

### FEATURES

- ▶ **Continuously variable control** – For shade and sensitivity.
  - 9-13 shade control.
    - 700G External
    - 750S
  - Sensitivity – Adjustable for different welding environments.
  - Delay – Adjustable from dark back to light state on 700G
- ▶ **Light weight** –
  - 700G - 18.3 (520)
  - 750S - 19 (539)
- ▶ **Grind mode** – Offered on all models – Great for weld prep or post-weld clean up activities.
- ▶ **Magnifying 'cheater' lens capable** – On 700G

### APPLICATIONS

- ▶ Metal Fabrication
- ▶ Maintenance and Repair
- ▶ Industrial Production
- ▶ Autobody/Farm/Shop



700G  
Patriot™  
K2831-1



Limited Edition  
750S 115 Year™  
K2832-1



Limited Edition  
700G EAA™  
K2841-1



MARVEL  
UNIVERSE  
Limited Edition  
700G Iron Man™  
K2947-1

MARVEL  
UNIVERSE

Iron Man and the distinctive likeness(es) thereof are Trademarks of Marvel Characters, LLC and are used with permission. This helmet is produced under license from Marvel Characters LLC. Copyright © 2010, Marvel Characters, Inc. All Rights Reserved. www.marvel.com

## Great Bonus Items!

All Helmets Come With Great Bonus Items Valued at over \$25 Including:

- Sport-pak style helmet bag
- Lincoln Electric® bandana.



2  
YEAR WARRANTY  
PARTS AND LABOR  
AÑOS DE GARANTIA  
PARTES Y MANO DE OBRA  
ANS DE GARANTIE  
PIECES ET MAIN D'OEUVRE



Solar Powered



Web Update 9/10

Publication E12.207 | Issue Date 7/10  
© Lincoln Global, Inc. All Rights Reserved.

THE LINCOLN ELECTRIC COMPANY

22801 St. Clair Avenue • Cleveland, OH • 44117-1199 • U.S.A.  
PH: +1.216-481-8100 • www.lincolnelectric.com

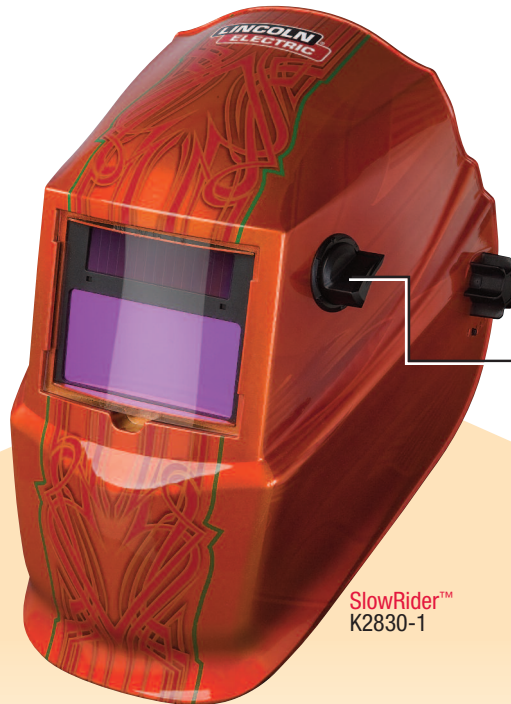
**LINCOLN®**  
**ELECTRIC**  
THE WELDING EXPERTS™

## 700G SERIES



### Magnifying Cheater Lens Capable

- Work without cumbersome prescription eyewear.
- Easy to Install.
- Use any common magnifying lens.



SlowRider™  
K2830-1



### Compact DINS Cartridge Size

- Reduces weight.
- External shade and grind mode control.
- Internal sensitivity and delay control.

## SHARED FEATURES



### Lightweight, Full Coverage Shell

- Sheds spatter and resists impact. Meets ANSI Z87.1, CAN/CSA Z94.3 and CE Certification.

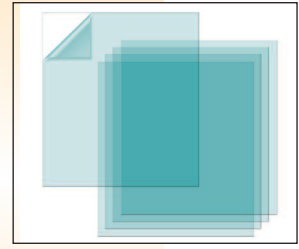


### All Helmets Come With Great Bonus Items Valued at over \$25 Including:

- Sport-pak style helmet bag
- Lincoln Electric bandana



### Soft & Absorbent Sweatband



### Extra Cover Lenses Enclosed

- Inside lens – QTY 2
- Outside lens – QTY 5

## 750S SERIES



### Sleek Internal Controls

- Variable shade 9-13.
- Sensitivity control with grind mode.



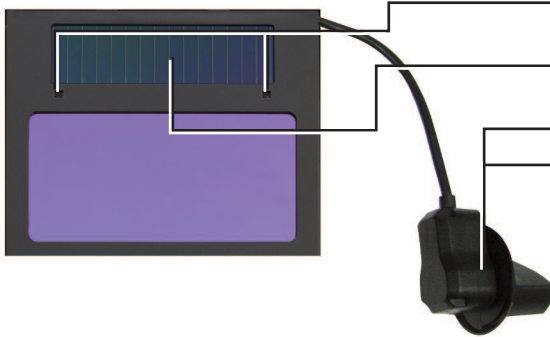
Red Rod™  
K2834-1



### Standard 4.5 x 5.25 in. (114 x 133 mm) Cartridge and Replacement Cover Lens Dimensions

**700G SERIES**

**90 X 110 MM CARTRIDGE**



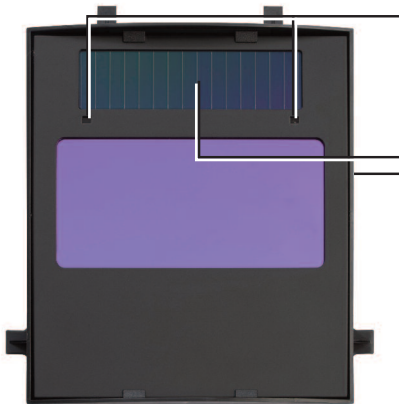
- Two Independent Arc Sensors – Helps avoid blind spots that prevent auto-darkening.
- Solar-Powered – With battery assist, battery is not replaceable. No On/Off switch to remember.
- External Wired Variable Shade Control – For Shade 9-13.
- External Grind Mode – Use helmet as a grinding shield.



- Continuously Variable Delay – 0.1 – 1.0 sec.
- Continuously Variable Sensitivity – For use in different welding environments.
- Substantial View Size – 96 x 47 mm, 3.78 x 1.85 in.
- Magnifying 'cheater' Lens Capable – Easy to add commonly available lenses.
- Top Quality LCD Optics – Deliver a clear, natural view.
- ANSI, CAN/CSA and CE Certification – Certified 3rd party testing of cartridge design.

**750S SERIES**

**4.5 X 5.25 in. CARTRIDGE**



- Two Independent Arc Sensors – Helps avoid blind spots that prevent auto-darkening.
- Solar-Powered – With battery assist, battery is not replaceable. No On/Off switch to remember.
- Rigid Protective Cartridge Frame Holder – Securely locks cartridge into place.



- Internal Variable Shade Control – For Shade 9-13.
- Continuously Variable Sensitivity – For use in different welding environments.
- Internal Grind Mode – Use helmet as a grinding shield.
- Substantial View Size – 96 x 47 mm, 3.78 x 1.85 in.
- Top Quality LCD Optics – Deliver a clear, natural view.
- ANSI, CAN/CSA and CE Certification – Certified 3rd party testing of cartridge design.

## 700G SERIES

## LIMITED EDITION 700G SERIES



Black  
K2815-1

Tribal™  
K2812-1

SlowRider™  
K2830-1

Patriot™  
K2831-1

EAA®  
K2841-1

Iron Man™  
K2947-1

## 750S SERIES

## LIMITED EDITION 750S SERIES



Black  
K2836-1

Red Rod™  
K2834-1

Cruzin Sticks™  
K2835-1

Patriot™  
K2843-1

Arc Angel™  
K2833-1

115 Year™  
K2832-1

## PRODUCT SPECIFICATIONS

Series	Lens Switching Speed (sec)	Variable Shade/Control	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (sec)	Arc Sensors	TIG Amp Rating	Cartridge Size in. (mm)	View Size in. (mm)	Weight oz. (g)
VIKING™ 700G	1/25,000	9-13 / External	Yes	3.5 / External	Continuous	0.10 - 1.0 Adjustable	2	DC<3 amp; AC<5 amp	DINS 4.33 x 3.54 (110 x 90)	3.78 x 1.85 (96 x 47)	18.3 (520)
VIKING™ 750S	1/25,000	9-13 / Internal	No	3.5 / Internal	Continuous	–	2	DC<3 amp; AC<5 amp	US 4.5 x 5.25 (114 x 133)	3.78 x 1.85 (96 x 47)	19 (539)

## REPLACEMENT PARTS

### 700 SERIES

- ▶ KP2851-1 Headgear Kit (includes sweatband)
- ▶ KP2853-1 ADF Cartridge Kit (90 mm x 110 mm)
- ▶ KP2854-1 Sweat Band Kit (Qty. 2)
- ▶ KP2897-1 750S, 700G Inside Cover Lens Pack (96 x 51.6 mm, 3.78 x 2.03 in.) (Qty. 5)
- ▶ KP2913-1 700G Outside Cover Lens Pack (112 x 91.3 mm, 4.41 x 3.59 in.) (Qty. 5)

## REPLACEMENT PARTS

### 750 SERIES

- ▶ KP2851-1 Headgear Kit (includes sweatband)
- ▶ KP2854-1 Sweat Band Kit (Qty. 2)
- ▶ KP2897-1 750S, 700G Inside Cover Lens Pack (96 x 51 mm, 3.78 x 2.03 in.) (Qty. 5)
- ▶ KP2898-1 750S, 850S Outside Cover Lens (4.5 x 5.25 in. 114 x 133 mm) (Qty. 5)
- ▶ KP2899-1 750S ADF Cartridge (4.5 x 5.25 in. 114 x 133 mm)
- ▶ S27978-19 750S ADF Holder
- ▶ S27978-32 750S Outside Cover Lens Seal (4.5 x 5.25 in. 114 x 133 mm)
- ▶ S27978-29 750S Black Replacement Shell (4.5 x 5.25 in. 114 x 133 mm)

**VIKING**  
WELDING HELMETS

[www.lincolnelectric.com/helmets](http://www.lincolnelectric.com/helmets)

## 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.

Lincoln Electric is a responsive 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.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.

**LINCOLN**  
**ELECTRIC**  
THE WELDING EXPERTS®