VIKING™
Auto-Darkening Welding Helmets

The Performance You Need.
The Quality You Expect.™

www.lincolnelectric.eu
WELDING HELMETS

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

Viewing Area
1840 Series: 96 x 47 mm
2450 Series: 97 x 62 mm
3350 Series: 95 x 85 mm

Variable Shades
1840/2450 Series: DIN 9-13 • 3350 Series: DIN 6-13

Light to Dark Switching
1/25,000 sec.

Arc Sensors
1840 Series: 2 • 2450/3350 Series: 4

Light State/Grind Mode
DIN 3.5

TIG Amp Rating
1840/2450 Series: DC>3 Amp • AC>5 Amp
3350 Series: DC> 2 Amp • AC>4 Amp

Power Supply
1840 Series: Solar Powered w/ Battery Assist
2450/3350 Series: Solar Cells w/ Replaceable Lithium Batteries

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.
  • Shade control.
    - 1840 9-13 Shade External Control
    - 2450 9-13 Shade Internal Control
    - 3350 6-13 Shade Internal Control
  • Sensitivity - Adjustable for different welding environments.
  • Delay - Adjustable from dark back to light state.
- Light weight
  • 1840 Black - 510 g
  • 2450 Black - 567 g
  • 3350 Black - 567 g
- Grind mode - Great for weld prep or post-weld clean up activities.
- Magnifying ‘cheater’ lens capable
- Hard hat adapter capable
- What's included
  - Extra Cover Lenses Enclosed (2) inside and (5) outside.
  - Bandana.
  - Helmet Sport-Pak bag.
  - Replaceable lithium batteries. 2450 - Qty 2 • 3350 - Qty 1.
1840 SERIES

Two Independent Arc Sensors – Helps avoid blind spots that prevent auto-darkening.

Solar-Powered – With battery assist. No on/off switch to remember.


External Grind Mode – Use helmet as a grinding shield.

18 40 Series – 40 designates 90 x 110 mm cartridge compatible shell. 18 indicates the height of the viewing area in inches (1.85 in).

Continuously Variable Delay – 0.1 – 1.0 sec.

Continuously Variable Sensitivity – For use in different ambient light welding environments.

Substantial View Size – 96 x 47 mm.

Magnifying ‘Cheater’ Lens Capable – Easy to add Lincoln Electric lenses. See back page for details.

Top Quality LCD Optics – Deliver a clear, natural view.

Meets CE, ANSI, and CAN/CSA Requirements – 3rd party testing of cartridge design.

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2450 SERIES

Solar-Powered – With user replaceable batteries. Two CR2450 lithium batteries required (included with helmet). No on/off switch to remember.

Rigid Protective Cartridge Frame Holder – Securely locks cartridge into place (not shown).

Four Independent Arc Sensors – Helps avoid blind spots that prevent auto-darkening.

24 50 Series –

- 50 designates 4.50 x 5.25 in. cartridge compatible shell.
- 24 indicates the height of the viewing area in inches (2.44 in).

Low Battery Indicator Light

Continuously Variable Delay – 0.1 – 1.0 sec.


Continuously Variable Sensitivity – For use in different ambient light welding environments.

Internal Grind Mode – Use helmet as a grinding shield.

Substantial View Size – 97 x 62 mm.

Magnifying ‘Cheater’ Lens Capable – Easy to add Lincoln Electric lenses. See back page for details.

Top Quality LCD Optics – Deliver a clear, natural view.

Meets CE, ANSI and CAN/CSA Requirements – 3rd party testing of cartridge design.

Battery Compartments (CR 2450 lithium batteries required Qty – 2)
**3350 SERIES**

**Rigid Protective Cartridge Frame Holder** – Securely locks cartridge into place (not shown).

**Four Independent Arc Sensors** – Helps avoid blind spots that prevent auto-darkening.

**Solar-Powered** – With user replaceable battery. One CR2450 lithium battery required (included with helmet). No on/off switch to remember.

**Shade Range Switch** – Toggle between 6-9 or 9-13.

**Substantial View Size** – 95 x 85 mm.

**Magnifying ‘Cheater’ Lens Capable** – Easy to add Lincoln Electric lenses. See back page for details.

**Top Quality LCD Optics** – Deliver a clear, natural view.

**Meets CE, ANSI and CAN/CSA Requirements** – 3rd party testing of cartridge design.

**Continuously Variable Delay** – 0.1 – 1.0 sec.

**Continuously Variable Sensitivity** – For use in different ambient light welding environments.

**Internal Grind Mode** – Use helmet as a grinding shield.

**Battery/Shade Test Control** – Pre-test helmet shade before welding.

**Battery Compartment (CR 2450 lithium battery required Qty – 1)**

**Low Battery Indicator Light**

**Internal Variable Shade Control** – For shade 6-9 or 9-13 based on shade range selected.

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**3350 Black**

K3034-1-CE

**3350 Tribal™**

K3074-1-CE

**Motorhead™**

K3100-1-CE

**Terracuda™**

K3039-1-CE

**Mojo™**

K3101-1-CE

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**114 X 133 mm CARTRIDGE**

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**www.lincolnelectric.eu**
**Lightweight, Full Coverage Shell**
- Sheds spatter and resists impact.
- Meets CE, ANSI Z87.1 and CAN/CSA Z94.3 certification.

**Headgear**
- Secure up stop keeps helmet up when not welding.
- Fore/Aft adjustment for distance from face.
- Soft absorbent sweat band.

**Hard Hat Adapter Capable**
- For most hard hat models.
- Order KP3047-1.

**Magnifying ‘Cheater’ Lens Capable**
- For weld puddle clarity.
- Select from these lenses KP3046-100, KP3046-125, KP3046-150, KP3046-175, KP3046-200, KP3046-225, KP3046-250

**Note**
Part number extension is the diopter

**Extra Cover Lenses Enclosed**
- Inside lens – QTY 2
- Outside lens – QTY 5

In addition to a Sport-Pak, the 1840 Black, 2450 and 3350 Black Series helmets include a decal sheet. Design your own helmet!
### TECHNICAL SPECIFICATIONS

#### REPLACEMENT PARTS

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Description</th>
<th>Dimensions</th>
<th>Package Qty.</th>
<th>Works With</th>
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<tr>
<td>KP2853-1</td>
<td>700G/1840 ADF CARTRIDGE</td>
<td>DINS 110 X 90</td>
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<td>1840 Series</td>
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<td>2450 SERIES ADF CARTRIDGE</td>
<td>STD 4 X 5</td>
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<td>2450 Series</td>
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<td>3350 SERIES ADF CARTRIDGE</td>
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<td>114 x 133 x 1.0 mm</td>
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<td>112 x 91.3 x 1.5 mm</td>
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<td>98.5 x 66.5 x 1.0 mm</td>
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<td>114 x 100 x 1.5 mm</td>
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<td>KP3044-1</td>
<td>3350 INSIDE CLEAR COVER LENS</td>
<td>94.7 x 89.7 x 1.0 mm</td>
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<td>51 x 108 mm FRAME, 1.0 MAG</td>
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<td>KP3046-125</td>
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<td>KP3046-150</td>
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<td>51 x 108 mm FRAME, 1.5 MAG</td>
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<td>KP3046-175</td>
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<td>KP3046-250</td>
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<td>KP2930-1</td>
<td>SWEATBAND</td>
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<td>KP2854-1</td>
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<td>HEADGEAR W/SWEATBAND</td>
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<td>KP3047-1</td>
<td>HARD HAT ADAPTER</td>
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#### PRODUCT SPECIFICATIONS

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<tr>
<th>Series</th>
<th>Lens Switching Speed (sec)</th>
<th>Variable Shade/Control</th>
<th>Magnifying “Cheater” Capable Lens</th>
<th>Grind Mode Shade/Control</th>
<th>Light Sensitivity Control</th>
<th>Delay Control Dark to Light (sec)</th>
<th>Arc Sensors</th>
<th>TIG Amp Rating</th>
<th>Cartridge Size (mm)</th>
<th>View Size in. (mm)</th>
<th>View Size mm</th>
<th>Temperature Range</th>
<th>Weight (g)</th>
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<tr>
<td>VIKING 1840</td>
<td>1/25,000</td>
<td>9-13 External</td>
<td>Yes</td>
<td>3.5 / External</td>
<td>Continuous</td>
<td>0.1 - 1.0 Fully Adjustable</td>
<td>2</td>
<td>DC &gt; 3 Amp</td>
<td>110 x 90</td>
<td>96 x 47</td>
<td>95 x 85</td>
<td>-10ºC - +55ºC</td>
<td>510</td>
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<td>VIKING 2450</td>
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<td>9-13 Internal</td>
<td></td>
<td>3.5 / Internal</td>
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<td></td>
<td>4</td>
<td>DC &gt; 2 Amp</td>
<td>133 x 114</td>
<td>97 x 62</td>
<td>95 x 85</td>
<td>-20ºC - +70ºC</td>
<td>567</td>
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<td>VIKING 3350</td>
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<td>6-13 Internal</td>
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<td></td>
<td>DC &gt; 3 Amp AC &gt; 4 Amp</td>
<td>110 x 90</td>
<td>96 x 47</td>
<td>95 x 85</td>
<td>-10ºC - +55ºC</td>
<td>510</td>
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<table>
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<th>Region</th>
<th>Company Name</th>
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<th>Email Address</th>
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<tr>
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</tr>
</tbody>
</table>

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