# VIKING™ Auto-Darkening Welding Helmets



### **Processes**

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

### **Product Number**

See pg 2 - 5 for all models

See back for complete specs

### **Viewing Area**

1740 Series: 3.78 x 1.67 in. (96 x 42.5 mm) 1840 Series: 3.78 x 1.85 in. (96 x 47 mm) 2450 Series: 3.82 x 2.44 in. (97 x 62 mm) 3350 Series: 3.74 x 3.34 in. (95 x 85 mm)

### **Variable Shades**

1740/1840/2450 Series: DIN 9-13, 3350 Series: DIN 6-13

Light to Dark Switching

### 1/25,000 sec. Arc Sensors

1740/1840 Series: 2, 2450/3350 Series: 4

### Light State/Grind Mode DIN 3.5

### **TIG Amp Rating**

1740 Series: >5 Amp AC/DC 1840/2450 Series: DC>3 Amp; AC>5 Amp

3350 Series: DC> 2 Amp, AC>4 Amp

### **Power Supply**

1740/1840 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.

#### **FF** *ATIIRFS*

- Continuously variable control For shade and sensitivity.
  - · Shade control.
    - 1740 9-13 Shade Internal Control
    - 1840 9-13 Shade External Control
    - 2450 9-13 Shade Internal Control
    - 3350 6-13 Series Internal Control
  - Sensitivity Adjustable for different welding environments.
  - Delay Adjustable from dark back to light state.

### Light weight –

- 1740 Black 18.6 oz (528 g)
- 1840 Black 18 oz (510 g)
- 2450 Black 20 oz (567 g)
- 3350 Black 20 oz (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.
  - Replaceable lithium batteries. 2450 Qty 2, 3350 Qty 1.

1840, 2450 and 3350 also include:

- Bandana.
- Helmet Sport-Pak bag.



**1840 SERIES**Tribal® K3024-1

2450 SERIES Street Rod® K3035-1

**3350 SERIES**Mojo<sup>®</sup> K3101-1





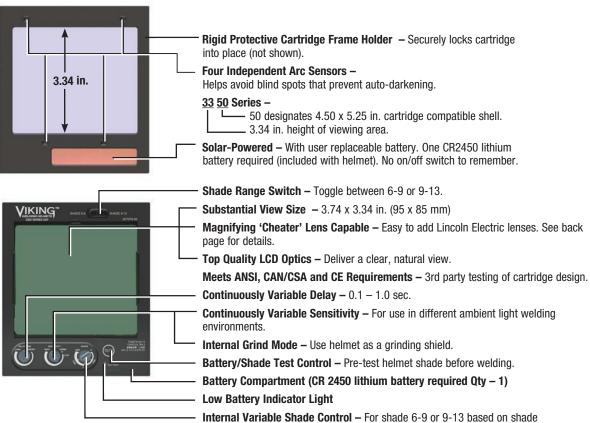




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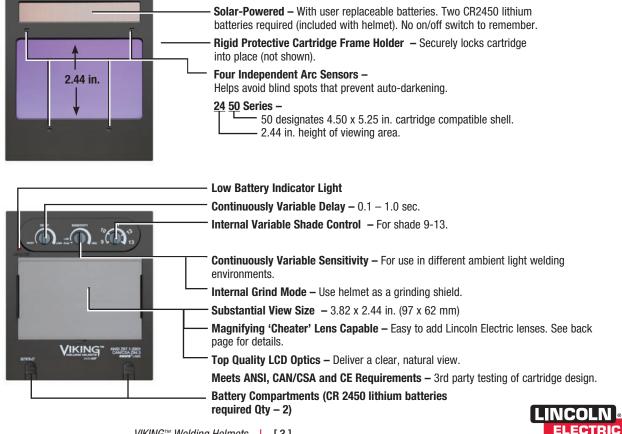




range selected.



### 4.50 X 5.25 in. (114 X 133 mm) CARTRIDGE



THE WELDING EXPERTS®





### 110 X 90 mm (4.33 X 3.54 in.) CARTRIDGE





Continuously Variable Delay -0.1 - 1.0 sec.

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

**Substantial View Size –** 3.78 x 1.85 in. (96 x 47 mm)

Magnifying 'Cheater' Lens Capable - Easy to add Lincoln Electric lenses. See back page for details.

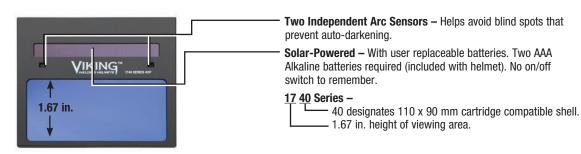
Top Quality LCD Optics - Deliver a clear, natural view.

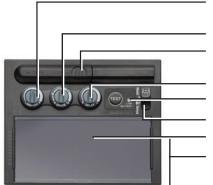
Meets ANSI, CAN/CSA and CE Requirements – 3rd party testing of cartridge design.





### 110 X 90 mm (4.33 X 3.54 in.) CARTRIDGE





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

Internal Variable Shade Control - For shade 9-13.

**Battery Compartment (AAA Alkaline batteries** required Qty - 2)

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

**Low Battery Indicator Light** 

Internal Grind Mode – Use helmet as a grinding shield.

**View Size** - 3.78 x 1.67 in. (96 x 42.5 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 ANSI, CAN/CSA and CE Requirements – 3rd party testing of cartridge design.



#### REPLACEMENT PARTS Works With 1740 Sales **Package** 1840 2450 3350 700G 750S Number Description Dimensions Qty Series Series Series Series Series Series 1740 ADF CARTRIDGE KP3284-1 DIN 110 x 90 KP2853-1 700G/1840 ADF CARTRIDGE DINS 110 X 90 KP2932-1 2450 SERIES ADF CARTRIDGE STD 4 X 5 3350 SERIES ADF CARTRIDGE KP3045-1 STD 4 X 5 KP2899-1 750S SERIES ADF CARTRIDGE STD 4 X 5 KP2897-1 INSIDE CLEAR COVER LENS 96 x 51.6 x 1.0 mm (3.78 x 2.03 x .04 in.) KP2898-1 OUTSIDE CLEAR COVER LENS 114 x 133 x 1.0 mm (4.5 x 5.25 x .04 in.) 5 OUTSIDE CLEAR COVER LENS KP2913-1 112 x 91.3 x 1.5mm (4.41 x 3.59 x .06 in.) 5 KP2931-1 INSIDE CLEAR COVER LENS 98.5 x 66.5 x 1.0mm (3.88 x 2.62 x .04 in.) 5 KP3043-1 OUTSIDE CLEAR COVER LENS 114 x 100 x 1.5 mm (4.5 x 3.94 x .06 in.) 5 KP3044-1 3350 INSIDE CLEAR COVER LENS 94.7 x 89.7 x 1.0 mm (3.73 x 3.53 x .04 in.) 5 KP3283-1 1740 INSIDE CLEAR COVER LENS KIT 95 9 x 47 2 x 1 00 mm 5 KP3046-100 CHEATER LENS 1.00 MAG 2 X 4.25 FRAME, 1.0 MAG 1 KP3046-125 CHEATER LENS 1.25 MAG 2 X 4.25 FRAME, 1.25 MAG KP3046-150 CHEATER LENS 1.50 MAG 2 X 4.25 FRAME, 1.5 MAG 1 KP3046-175 CHEATER LENS 1 75 MAG 2 X 4.25 FRAME, 1.75 MAG KP3046-200 CHEATER LENS 2.00 MAG 2 X 4.25 FRAME, 2.0 MAG KP3046-225 CHEATER LENS 2.25 MAG 2 X 4.25 FRAME, 2.25 MAG 2 X 4.25 FRAME, 2.5 MAG KP3046-250 CHEATER LENS 2.50 MAG KP2930-1 SWEATBAND N/A 2 KP2854-1 **SWEATBAND** N/A 2 KP2929-1 HEADGEAR W/SWEATBAND N/A KP2851-1 HEADGEAR W/SWEATBAND N/A KP3047-1 HARD HAT ADAPTER N/A BLACK REPLACEMENT SHELL S27978-54 N/A S27978-58 OUTSIDE COVER LENS SEAL N/A S27978-55 ADF HOLDER N/A BLACK REPLACEMENT SHELL S27978-31 N/A S27978-32 OUTSIDE COVER LENS SEAL N/A S27978-33 ADF HOLDER N/A S27978-95 BLACK REPLACEMENT SHELL N/A

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)	Temperature Range	Weight oz. (g)
VIKING™ 1740	1/25,000	9-13 / Internal	Yes	4 / Internal	Continuous	0.1 - 1.0 Fully	2	≥ 5 Amp AC/DC	DINS 4.33 x 3.54 (110 x 90)	3.78 x 1.67 (96 x 42.5)	Operating: -10°C - +55°C	18.6 (528)
VIKING™ 1840		9-13 / External		3.5 / External		Adjustable		DC > 3 Amp AC > 5 Amp		3.78 x 1.85 (96 x 47)	(14°F - 131°F) Storage: -20°C - +70°C (-4°F - 158°F)	
VIKING™ 2450		9-13 / Internal		3.5 / Internal			4		US 5.25 x 4.50 (133 x 114)	3.82 x 2.44 (97 x 62)	(-4-7 - 156-7)	20 (567)
VIKING™ 3350		6-13 Internal						DC > 2 Amp AC > 4 Amp		3.74 x 3.34 (95 x 85)		20 (567)



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