

# VIKING 1840 DIGITAL SERIES

## Auto-Darkening Welding Helmets



### KEY FEATURES

The VIKING™ 1840 Series, our mid-range auto-darkening helmet tier, offers superior 4C® optics with a versatile user interface and premium external controls to increase productivity.

#### Industry Leading Optics

- Exclusive 4C® Lens Technology
- 1/1/1 Optical Clarity

#### Digital User Interface

- Moisture and abrasion resistant push button LED IU controls
- Simple, intuitive adjustments for precise and consistent performance

#### All Day Comfort

- Custom headgear features soft, padded headband to help eliminate pressure points, while top head straps evenly distribute weight

#### Versatility

- Low profile external grind control
- Expanded 7 - 13 Shade Range

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



Meets: ANSI Z87.1 & CSA Z94.3

## 4C LENS TECHNOLOGY

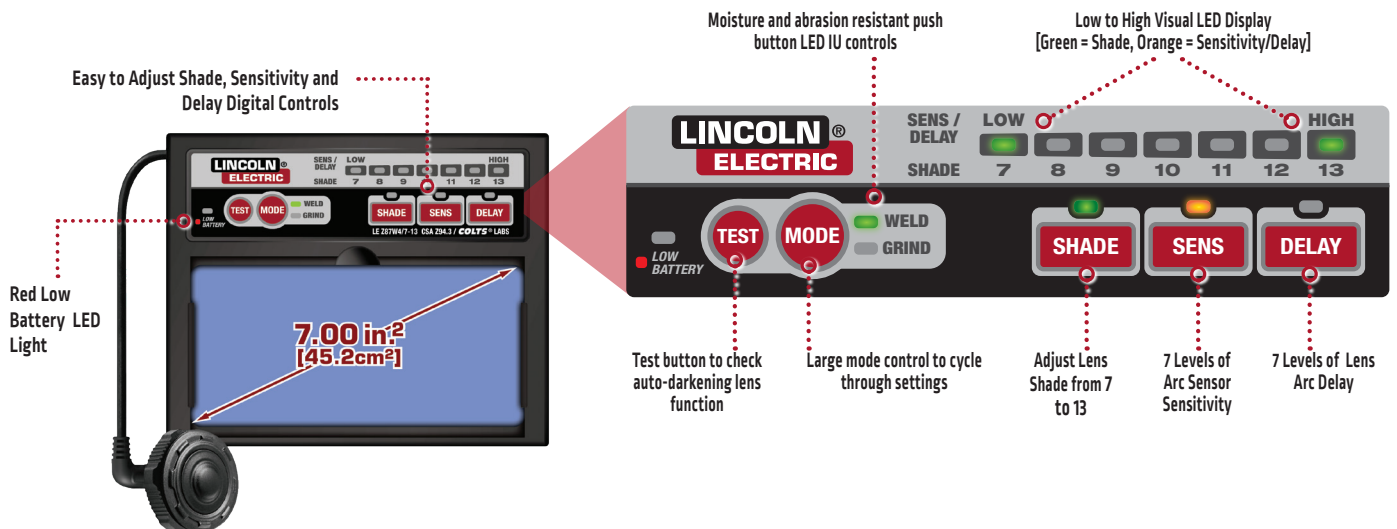
Lincoln Electric's proprietary liquid crystal display (LCD) enhances the visible color spectrum of the display. Unlike traditional auto-darkening filters, 4C lens technology broadens the color range & hues which can be seen in both light and dark states. This eliminates imperfections and color saturation to create the clearest view of the base material, arc & puddle, while reducing eye strain.



### 1/1/1 OPTICAL CLARITY



### DIGITAL USER INTERFACE



## 4-POINT PIVOT HEADGEAR

### Superior Comfort

1. Two adjustable top head supports distribute weight and improve balance
2. Orientation adjustment pin for optimal resting position
3. Soft front headband reduces pressure and absorbs moisture
4. Polymer backpad increases comfort and stabilizes helmet position
5. Simple ratchet tightening mechanism for comfortable, secure fit



## EXTERNAL LOW PROFILE GRIND CONTROL

### Switching Modes Made Easy

The left side of the helmet features an industrial button which connects to the auto darkening lens. Press and hold for 3 seconds to switch between weld and grind modes.

### Benefits:

- Increases productivity
- Prevents accidental activation
- Enhanced application versatility

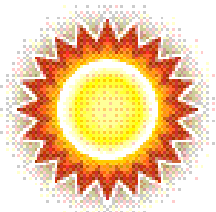


## ADDITIONAL FEATURES

### Hard Hat Compatible



### Enhanced Outdoor Performance



### Cheater Lens Compatible



## REPLACEMENT PARTS

Part Number	Description	Product Type
KP3043-1	Outside Cover Lens - 1840 & 1740 Series	Cover Lenses
KP2897-1	Inside Cover Lens - 1840 Series	
S27978-58	Gasket - Outside Cover Lens Seal - 3350 & 2450 Series	
KP4627-1	Bulk Outside Cover Lens – 1840 & 1740 Series	Sweatband & Headgear
KP2930-1	Sweatband - Super Soft Knit Cotton	
KP4470-1	X6 Headgear	
K3908-1	Pivot Headgear	
K4100-1	Traditional Headgear	Hard Hat Adapters
KP3047-1	Hard Hat Adapter - Halo Style	
KP3486-1	Hard Hat Adapter - Slotted Style	
KP3046-XXX	Magnifying Cheater Lenses - 1.00 MAG - 2.50 MAG	Cheater Lenses
KP2853-4	ADF Cartridge - 1840 Digital Series	Auto-Darkening Filter & Parts
KP4562-1	Grind Button Assembly	
KP4491-1	CR 2450 Battery	
S27978-55	ADF Cartridge Holder	
KP4802-2	Glossy Black 1840 Replacement Shell	
		Replacement Shells

## PRODUCT SPECIFICATIONS

Product Name	Lens Switching Speed (sec)	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (sec)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in. (mm)	Temperature Range	Weight oz. (g)
<b>VIKING 1840 Digital</b>	1/25,000	7-13 Internal	CR2450 Replaceable Battery	Yes	3.5 / External	7 Sensitivity Settings	0.15 - 1.0  0.15 Sec Increments	4	DC > 2 Amp AC > 5 Amp	<b>Cartridge US:</b> US 5.25 x 4.50 (133 x 114) <b>View:</b> 3.78 x 1.85 (96 x 47)	<b>Operating:</b> -10°C - +55°C (14°F - 131°F) <b>Storage:</b> -20°C - +70°C (-4°F - 158°F)	19.5 (553)

### CUSTOMER ASSISTANCE POLICY

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