

# VIKING™ 1740 Series

## AUTO-DARKENING WELDING HELMETS



Shown:  
VIKING™ 1740 ReCode™  
K3495-2



Shown:  
VIKING™ 1740 Ignition™  
K4375-2



Shown:  
VIKING™ 1740 BLACK  
K3282-2

### KEY FEATURES

#### Quality

- Perfect 1/1/1 Optical Clarity
- 1 / 25,000 sec. Switching Time (Inactive to Active)
- 2 Year Warranty

#### Control

- Variable 9-13 Shade, Sensitivity & Delay Control
- Weld & Grind Mode
- User Replaceable AAA Batteries

#### Safety

- ANSI Z87.1-2010 & CSA Z94.3 Compliant
- Auto On / Off Functionality
- Test Mechanism & LED Low Battery Indicator

#### Process »

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



# Optical Clarity - Why It's Important

## Optical Clarity

The NEW VIKING™ 1740 Series auto-darkening helmets have a perfect EN379 - 1/1/1 optical clarity rating. This test measures the performance of the auto-darkening filter on four separate optical categories.

Each Category is graded on a scale of 1-3, with a score of 1 being the best and 3 being the worst.

### Categories

1. **Optical Class** – Distortion
2. **Diffusion of Light Class** – Blurriness
3. **Variations of Luminous Transmittance** – Shade Consistency & Accuracy
4. **Angle Dependence of Luminous Transmittance Class** – Shade Consistency & Accuracy at an Angle



### Perfect Lincoln Electric rating of 1/1/1

NOTE: The illustration above represents the improved clarity possible with the latest VIKING helmets. Visit your local Lincoln Electric distributor to view the upgraded VIKING clarity under actual welding conditions.

## VIKING™ 1740 Series Helmets



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## REPLACEMENT PARTS

Sales Number	Description	Dimensions	Package Qty.
KP3284-2	1740 ADF CARTRIDGE	STD 110 x 90	1
KP3283-1	1740 INSIDE CLEAR COVER LENS KIT	95.9 x 47.2 x 1.00 mm	2
KP2930-1	SWEATBAND	N/A	2
KP4100-1	HEADGEAR W/SWEATBAND	N/A	1
KP3047-1	HARD HAT ADAPTER	N/A	1
S27978-58	OUTSIDE COVER LENS SEAL	N/A	1
S27978-55	ADF HOLDER	N/A	1
KP 3043-1	OUTSIDE COVER LENS	114 x 100 x 1.5 mm	5
S27978-95	1740 BLACK REPLACEMENT SHELL	N/A	1

## Product Specifications

Product Name	Lens Switching Speed (sec)	Variable Shade/Control	Magnifying "Cheater" Lens Capable	Grind Mode	Light Sensitivity Control	Arc Sensors	Delay Control Dark to Light (sec)	TIG Amp Rating	Cartridge Size in. (mm)	View Size in. (mm)	Temperature Range	Weight oz. (g)	Warranty
VIKING™ 1740 Series Helmets	1/25,000	9-13/ Internal	Yes	DIN 4	Variable	2	0.10-1.0 Adjustable	≥ 5 Amp AC/DC	4.33 x 3.54 (110 x 90)	3.78 x 1.67 (96 x 42.5)	Operating -10°C - 55°C (14°F - 131°F) Storage -20°C - 70°C (-4°F - 158°F)	18.6 (528)	2 years

### 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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### THE LINCOLN ELECTRIC COMPANY

22801 Saint Clair Avenue · Cleveland, OH · 44117 · U.S.A.  
Phone: +1 216.481.8100 · [www.lincolnelectric.com](http://www.lincolnelectric.com)