

# W40 NITRO\* Variable Auto-Darkening Filter

Product Codes: 21947, 21931, 36633

Technical Data Sheet

## Product Information

New Code	Old Code	Description	Std Pack
21947	3018384	NITRO* ADF Cartridge	1/case
21931	3018230	Blue NITRO* Helmet with NITRO* ADF	2/case
36633	--	Black NITRO* Helmet with NITRO* ADF	2/case

## Accessories

New Code	Old Code	Description	Std Pack
22603	3020692	NITRO* 3-Sensor Lens Kit	10/case
20696	3014866	370 Replacement Headgear	6/case
24544	3024205	NITRO* Replacement Parts	10/case

Properties	Description
Shade	Variable Shade 9 – 13
Light State	4
Cartridge Size	4.33" x 3.54"
Viewing Field	3.80" x 1.60"
Typical Switching Speed (seconds)	1 / 2,750
Lens Power Control	Auto On / Auto Off
Grind Mode	No
Torch Mode	No
Sensitivity	Yes
Delay	Yes
Arc Sensors	3
Tig Rating	<10 Amps
Power Supply	Solar Cell-Non-Replaceable Battery
Estimated Battery Life Max	N/A
Estimate Battery Life Min	N/A
Unit Weight (minus shell)	1.15 lbs
Warranty	2 years
Operating Temperature	14°F to 141°F
Hard Hat Acceptable	Yes
Standards	ANSI Z87.1 and CSA Compliant



**W40 SERIES Auto-Darkening Filters:** Enables welders to adapt to the vast working environments with the ability to control the shade of the lens and adjustments for sensitivity from ambient lighting sources.

Characteristic	Value
Three independent sensors	If one sensor is blocked, the unit will continue to perform at an optimal level
Economical price point	Ideal for the everyday welder
Solar powered	Always on and ready to weld
Variable shade settings	Allows user to adjust the filter shade to personal preferences
Delay adjustment	Controls the amount of time the lens will adjust to clear state; Ideal for repetitive spot welding or pulse MIG/TIG
Sensitivity adjustment	Allows unit to adjust to competitive ambient lighting; Versatile enough for outdoor welding or even low amp DC TIG

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