

## WELDOMATIC 2000

Auto darkening helmets for high-performance welding. Your every day professional partner. Reliable protection, clear vision, free hands and no flipping up and down.



### Protection

User friendly design. By high-tech electronics and precision optics Nederman welding helmets offer optimal eye protection for the welder. Weldomatic 2000 cartridges have CE, DIN, ANSI, CSA, AS/NZS approvals regarding eye protection, mechanical robustness and resistance to ignition. Helmet shell made of polyamide.

### Profitability

The use of automatic self-darkening welding lenses allow for safe welding work of highest possible standard and quality and is often the key to profitability in production as well as in precision welding.

### Flexibility

With the possibility for personal optical mode and adjustments there is no application too diverse.

### Comfort

Light weight design with unique adjustable headband offers maximum comfort.

### Service

Easy service by replacement cover lenses and cartridges. 2 years warranty on possible fabrication defects.

Improving your workspace

# A reliable partner for the demanding welder



## Solar cell

Due to solar energy either on/off switch nor batteries are necessary.

## Potentiometer knob

(9-13 ORIGINAL only)  
For fine (stepless) shade adjustment between 9 and 13. All according to the welding process and individual (eye) sensitivity.



## Sensor bar

Eliminates the influence from surrounding light. Important when welding with low current or when welding on highest reflecting surfaces. Easily removed, e.g. when welding in awkward positions.

## Visibility

At the strike of an arc the LCD cassette darkens automatically to the right protection shade within a fraction of a millisecond (ms).

## ENVIRONMENTAL DATA

Model	Original	Choice	Mono
Total weight (kg)	0.48	0.47	0.47



shade 9

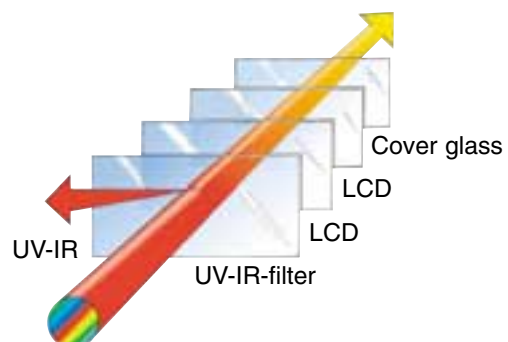


shade 11



shade 13

**Multiple LCD-cassettes** offer invariable protection over the full view area. Special filter elements give you max permanent protection from UV- and IR-radiation at every cartridge state.



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- three alternative welding helmets to suit every individual demand.

The sensitivity of the eye changes as the work progresses. For higher precision and to avoid fatigue make use of eye protection that adjusts itself to the process. The Weldomatic autodarkening helmet come in three alternative LCD-cassettes.

## 9-13 ORIGINAL

The LCD-cassette has a potentiometer knob that provides infinite adjustment of shade between 9-13. All for the purpose of personal comfort.



Delay knob to adjust the switching time from dark to light to individual requirements.



## 10-12 CHOICE



The LCD-cassette has a switch that allows for easy change from shade 10-11 to shade 11-12.

## 4/10+11 MONO



The LCD-cassette has two alternative fixed shade levels, shade 10 or shade 11.

## Which cartridge should be used for which application (acc. to EN 169)

Amperage range	1,5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600	
MMA	8								9	10	11	12				13				14		
									ORIGINAL													
									CHOICE													
									MONO													
MAG	8								9	10	11		12				13					
									ORIGINAL													
									CHOICE													
									MONO													
TIG	8		9	10	11		12		13													
			ORIGINAL																			
			CHOICE																			
			MONO																			
MIG heavy metals									9	10	11		12		13		14					
									ORIGINAL													
									CHOICE													
									MONO													
MIG light metals Stainless, Al											10	11	12	13	14							
											ORIGINAL											
											CHOICE											
											MONO											
Plasma cutting									9	10	11	12		13								
									ORIGINAL													
Micro plasma welding	4	5	6	7	8	9		10	11	12												
									ORIGINAL													

# Technical description

## 9 - 13 ORIGINAL

## 10 - 12 CHOICE

## 4/10+11 MONO

Part No.	62910121	62912821	62913221
Type	automatic 4/9 to 13; set manually between 9 and 13	automatic 4/10-11 and 4/11-12 manually selective range: 10-11 or 11-12	automatic 4/10 or 4/11 manually selective range: 10 or 11
<b>Light transmitting capacity:</b>			
<b>Inactivated</b>	Protection level 4	Protection level 4	Protection level 4
<b>activated</b>	Protection level 9 to 13	Protection level 10-11/11-12	Protection level 10 or level 11
<b>Switching time: light-dark</b>	0.1 ms at 55°C (131°F) 0.4 ms at room temperature	0.1 ms at 55°C (131°F) 0.4 ms at room temperature	0.1 ms at 55°C (131°F) 0.4 ms at room temperature
<b>dark-light</b>	0.2 - 0.3 s	0.2 - 0.3 s	0.2 - 0.3 s
<b>Switching time: dark light</b>	Position «slow» 0.3 - 0.6 s Position «fast» 0.1 - 0.35 s	not applicable not applicable	not applicable not applicable
<b>Operating temperature</b>	-10° to +70° C (14°F to 158°F)	-10° to +70° C (14°F to 158°F)	-10° to +70° C (14°F to 158°F)
<b>Protection against moisture</b>	Protected against high humidity	Waterresistant in accordance with IP 67	Waterresistant in accordance with IP 67
<b>Surrounding light source</b>	Sensor has variable angle of response (e.g. with surrounding stray light and reflections)	Medium angle of response (fixed)	Medium angle of response (fixed)
<b>Welding process</b>	Electrode MIG/MAG TIG (recommended) Plasmawelding	Electrode MIG/MAG TIG 50 Amps and higher	Electrode MIG/MAG

## Accessories



### Fresh air unit

With separate air flow indicator or with electronic alarm and air flow regulator.

Please contact your Nederman dealer for separate brochure.



### Diopter correction lens

Diopter 1.0 Part No. 62910134  
Diopter 1.5 Part No. 62910135  
Diopter 2.0 Part No. 62910136  
Diopter 2.5 Part No. 62910137



### Inside cover lens, set of 5

Clear Part No. 62911322  
Dark green Part No. 62911422  
Light green Part No. 62912122  
Blue Part No. 62912222



### Front cover lens

Part No. 62911222



### Leather chest protection

Part No. 62910139  
**Leather cap/neck protection**  
Part No. 62910140



### Hard hat adapter

Part No. 62910126



### Hearing protection

Part No. 62910138

# Nederman®

Improving your workspace

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The majority of Nederman's products are manufactured within ISO 9001 and ISO 14001-certified Quality- and Environmental system. For more detailed information please contact us.