



WELDING MASKS SERIES
PROFESSIONAL ADVANCED WELDING MASKS



**PROFESSIONAL ADVANCED
WELDING MASKS**

The NWorld WM Series is a professional line of advanced welding masks designed to meet the evolving safety and performance requirements of modern welding environments. The series combines ergonomic design, high-grade optical protection, and modular functionality to support both conventional welding and laser welding applications.

Engineered for continuous industrial use, WM Series masks offer excellent visibility, balanced weight distribution, and a high level of operator comfort. Selected models integrate an aspirator system for effective fume extraction, improving air quality inside the mask and reducing operator exposure during prolonged operations.

The WM Series is built for versatility and reliability, making it suitable for traditional arc welding processes as well as precision laser welding, where controlled protection and visual clarity are critical.

WELDING MASKS

Exclusive NWorld Design®



- Code**
WME000001
- True Color**
Light state DIN4
Dark state DIN5-8/9-13
- Optics Quality**
1/1/1/1

WM355 EVO

Auto Darkening Welding Helmet



- Code**
WMEA00001
- True Color**
Light state DIN4
Dark state DIN5-8/9-13
- Optics Quality**
1/1/1/1

WM505 PRO AIR EVO

Auto Darkening Welding Helmet with extraction



- Code**
WME000006
- True Color**
Light state DIN3
- Optics Quality**
1/1/1/1

WM357 EVO

Auto Darkening Welding Helmet



- Code**
WMEA00002
- True Color**
Light state DIN3
- Optics Quality**
1/1/1/1

WM510 PRO AIR EVO

Auto Darkening Welding Helmet with extraction

LASER WELDING MASKS



- Code**
LLNW00008
- Wavelength**
950-1100nm
- Optical Density**
OD8+@950-1100nm

LWM01

Laser welding protective mask



- Code**
LLNW00024
- Wavelength**
850-2000nm
- Optical Density**
OD6+@190-382nm
OD4+@855-896nm
OD5+@897-950nm
OD8+@951-2000nm

LWM02

Laser welding protective mask



- Code**
LLNW00025
- Wavelength**
190-400nm
800-1100nm
- Optical Density**
OD7+@190-400nm
& 800-1100nm

LWM03

Laser Welding Protective Helmet



- Code**
LLNW00007
- Wavelength**
190-450nm
800-1700nm
- Optical Density**
OD7+@962-1132nm

LPG01

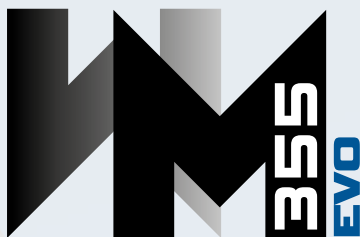
Laser welding protective glasses

WELDING HELMET

auto-darkening



W
355
EVO



mm
Cartridge size
144x133x10

mm
Viewing area
98x88

Light state
DIN4

Dark state
DIN5-8/9-13

UV/IR
Protection
DIN16

Power supply
solar + battery

Switching time
1/25000 s

Delay time
0.2-1.0s

Grinding
yes

g
Weight
600g

Exclusive NWorld Design® Auto Darkening Welding Helmet

model WME 355 EVO
sales code WME000001

TRUE COLOR

CE
EU 2016/425

ANSI
Z87.1

AS/NZS
1337.1/1338.1

RoHS
EU 2015/863

CSA
Z94.3

CS

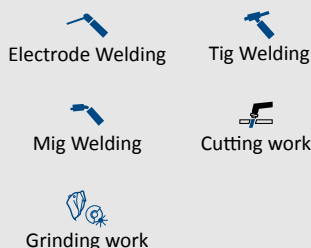


High quality Helmet support HG6
The enhanced support headgear provides a comfortable wears, whatever tasks in hand.



filter model ADF9120

Suitable use



Mask specifications

Optical level	1/1/1/1
Viewing area	98 x 88mm(3.86" x 3.46")
Cartridge size	114X 133X 10mm(4.49"X 5.24"X 0.59")
Clear state level	DIN4
Dark state level	Variable Shade,DIN5-8/DIN9-13
Sensitivity control	"Low" to "High" Stepless adjustment
Delaytime	Adjustable fram 0.2S (fast) lo 1.0S (slow)
Switching time	4Arc Sensors, < 1/25000S
Grind/Cut function	Yes (DIN4/DIN5-8)
ADF Self-check	Yes
Low Battery Alarm	Yes
Power on/off	Full automatic
UV/IR prtection	Up to Shade DIN 16 AI all time
Power supply	Solar Cells + replaceable Lithium battery
OperatingTemp	-10°Cto+60°C(14°F- 140°F)
StareTemp	-20°C+70°C(-4°F- 158°F)
Warranty	2 Years
Standards	DIN, CE, ANSI Z87.1,CSAZ94.3, AS/NZS

ON OFF
Auto on/off

Rechargeable

UV/IR Protection

Charging Sensors

ADF Self-check

Resistant

Accessories



Front cover lens
Protect against
welding splatter
pack of 10



Inside cover lens
Protect against
welding splatter
pack of 10



Sweatband
Soft, absorbent,
band

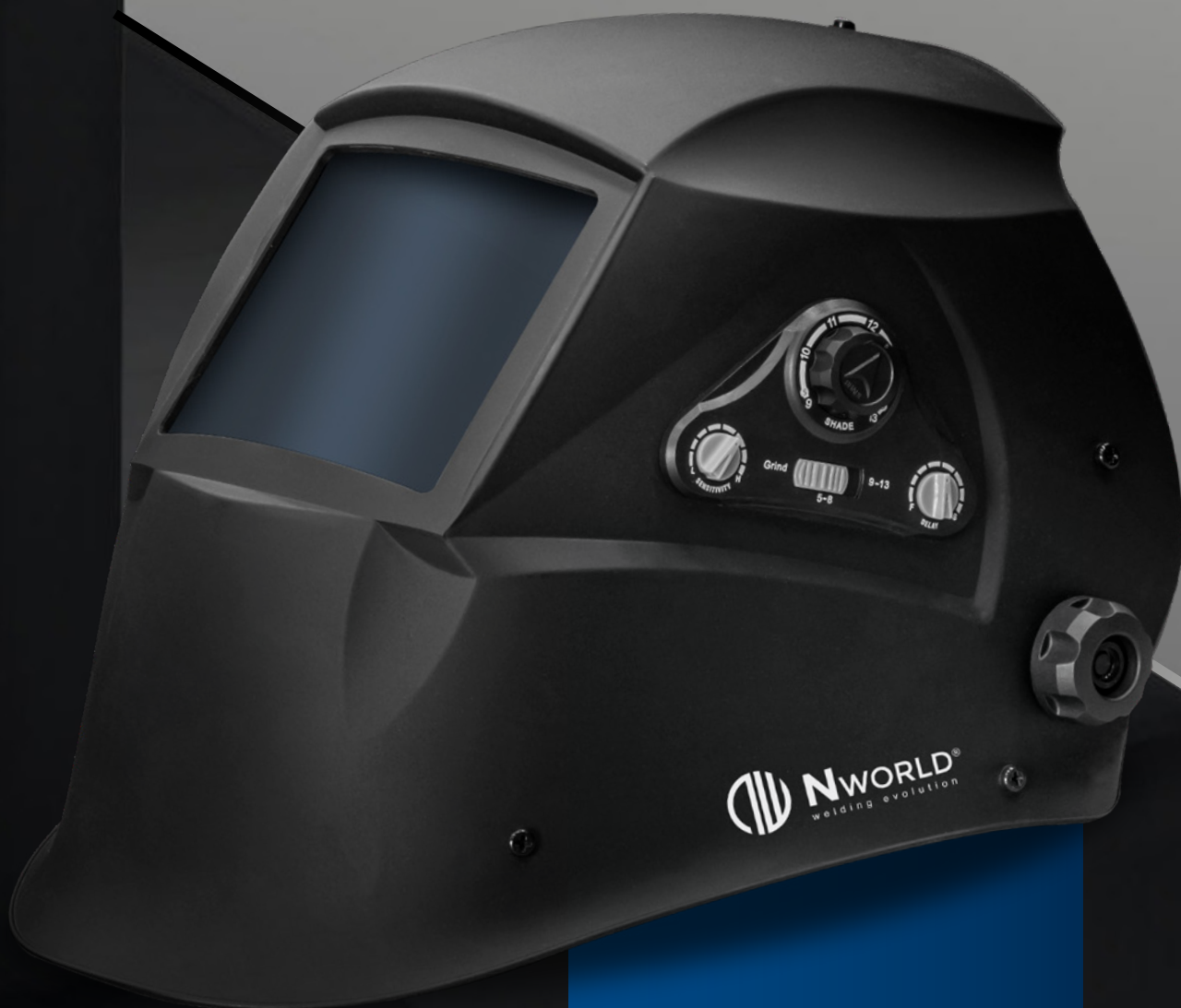


Helmet Bag
Handbag to transport
your welding helmet



WELDING MASK

auto-darkening with extraction



N505
PRO AIR EVO

NW505 PRO AIR EVO

**Complies with CE12941
and the highest respiratory
protection level TH3**

model ADF8610
sales code AIRPR TN15.01-8610

TRUE COLOR

CE
EU 2016/425

ANSI
Z87.1

AS/NZS
1337.1/1338.1

RoHs
EU 2015/863

CSA
Z94.3

mm
Cartridge size
110x90x9

mm
Viewing area
110x60

Light state
DIN4

Dark state
DIN5-8/9-13

UV/IR
Protection
DIN16

Power supply
solar + battery

Switching time
1/25000 s

Delay time
0.2-1.0s

Grinding
yes

g
Weight
1587g

Mask specifications

Light Shade	4
Optics Quality	1/1/1/1
Variable Shade Range	4/5 - 8/9 - 13, External setting
ADF Viewing Area	3.94x2.36" 100x60mm
Sensors	4
UV/IR Protection	Up to DIN 16
Cartridge Size	4.33x3.53"x0.35" 110x90x9cm
Power Solar	1x replaceable lithium battery CR2450
Sensitivity Control	Low to High, External setting
Function Select	Welding, cutting, or grinding
Lens Switching Speed (sec)	1/25,000
Delay Time, Dark to Light (sec)	0.1-1.0 fully adjustable, External setting
Helmet Material	PA
Weight	500g
Low TIG Amps Rated	>5amps
Temperature Range (F) Operating	(-10°C--+55°C 23°F ~ 131°F)
Magnifying Lens Capable	Yes
Certifications	CE
Warranty	2 years



Main Features

- ON OFF Auto on/off
- 4 Sensors
- ADF Self-check
- X View
- UV/IR Protection
- Purified Air
- Rechargeable

Suitable use

- Electrode Welding
- Mig Welding
- Tig Welding
- Grinding work
- Cutting work

Respirator specifications

Blower unit Flow Rates	Level 1 > + 170nl/min Level 2 > =220 nl/min
Operation timer	Level 1 - 10 h, Level 2 - 9h (condition: full charged new battery room temperature)
Battery type	Li-Ion Rechargeable, Cycles > 500, Voltage Capacity: 14.8V/2.6Ah, Chargin Time: approx 2.5h
Air hose lenght	850 mm (900mm including connectors) with protective sleeve. Diameter: 31mm (inside).
Master filter type	P3 TH3P R SL for TH3P System (Europe)
Standard	EN12941:1988/A1:2003/A2:2008 TH3P R SL
Noise level	≤ 60 dB (A)
Material	PC+ABS, blower high quality ball bearing long life brushless motor
Weight	1097 g (including filter and battery)
Dimension / Color	224x190x70mm (outside max)/Black/Grey
Maintenance (Replace items regularly)	Activate carbon pre-filter: once a week if you use it 24hrs a week; H3HEPA filter: once 2 weeks if you use it 24hrs a week

WELDING HELMET

auto-darkening

KK

357

EVO





UV/IR
Protection
DIN16

Viewing area
75x112

Light state
DIN3

Power supply
solar + battery

Switching time
1/25000 s

Delay time
0.2-1.0s

Grinding
yes

**Exclusive NWorld
WM Series
Auto Darkening
Welding Helmet**
model WME 357 EVO

TRUE COLOR

CE
EU 2016/425

ANSI
Z87.1

AS/NZS
1337.1/1338.1

CSA
Z94.3



WIDE VIEWING AREA
The welding viewing area has a large range, up to 112 mm

STORAGE FUNCTION
The mask can automatically save the latest adjusted working status and parameters

SMART LCD DISPLAY
The LCD Display shows the working parameters, which is intuitive and convenient

SMART WORKING FLOW
The mask intelligently perceive the working status, automatically wake up and sleep, so that users can be more worry-free

FLIP TOP Design
The practical and smart design allows to easy switch from welding to grinding mode

OBSERVATION WINDOWS
Equipped on both sides to expand the scope of observation and reduce accidents

VERSATILE USES
Power air purifying respirator can be connected to protect the user's breathing

Mask specifications

Optical level	1/1/1/1	Sensitivity Control	Variable 1 to 10, Digital Display Control
LCD Viewing area	75 x 112mm(2.95" x 4.41 in")	UV/IR Protection	Up to Shade DIN 16 at all times
Arc Sensors	4	Power Supply	Solar cell with battery assist
Light State Shade	DIN3	Battery	2xCR2450 Lithium Batteries
Cutting Shades	4 to 8	Light to Dark Switching Time	0,00004 sec (1/25,000 sec.)
Variable Welding Shades	9 to 12 / 13 to 15	Dark to Light	(0,1 sec. to 1,0 sec.)
Shade Control	Variable Shade, Digital Display Control	Grinding	Yes
Power ON/OFF	Auto-ON, Auto-OFF		

Package Included

WM557 Helmet				

N 510 PRO AIR



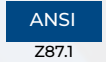
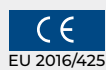
WELDING MASK

auto-darkening with extraction





Exclusive NWorld
respiratory protection



SMART CONTROL SYSTEM

LITHIUM BATTERIE

Filtration system specifications

FILTRATION	
Filtration Efficiency	99.97%
Airflow	170L/min, 210L/min, 250L/min
Charging Time	>500 times
Alarm mode	Buzzer Sound
Working Humidity	<90%
Storage Humidity	<85%
Air Filter Class	TH3

The Powered respirator is used for dust removal and partial odor removal, not for gases or vapors and is used to reduce or remove resistance to inhalation during respiration - **by producing a constant airflow the unit is designed with manufacturer's minimum design flow rate 170 litres, 210 litres or 250 litres per minute** (the flow rate at which the equipment still will fulfill the requirements of the class in either EN12942 or EN12941). The actual working time will be about 8 hours.

Except the welding industry, our respirator also can be used in other industries (such as spraying).

AIR FILTER	
Filter Class	TH3
Material Filter Medium	Efficient filtering low resistance papers
Material support disks	ABS
Color	Black
Weight	90 g
Dimensions (dxh)	ø 120x38 mm

BATTERY	
Type	Lithium, rechargeable
Voltage	12 volt
Operating time	HI: 7 hours, MI: 9 Hours, Lo: 11 Hours
Charging time	3 hours
Chargin cycles	> 500
Material Case	Impact proof ABS
Color	Black
Weight	350 g
Dimensions	137x50x72 mm

Package Included





LASER WELDING MASK

protective devices

Masks And Glasses For Laser Welding

Protection devices to keep eyes safe from laser harm



LWM01

Laser welding protective mask



Code

LLNW00008



Wavelength

950-1100nm



Optical Density

OD8+@950-1100nm



LWM02

Laser welding protective mask



Code

LLNW00024



Wavelength

850-2000nm



Optical Density

OD6+@190-382nm
OD4+@855-896nm
OD5+@897-950nm
OD8+@951-2000nm



LWM03

Laser welding protective mask



Code

LLNW00025



Wavelength

190-400nm
800-1100nm



Optical Density

OD7+@190-400nm
&800-1100nm



LPG01

Laser welding protective mask



Code

LLNW00007



Wavelength

190-450nm
800-1700nm



Laser Fiber Type

OD7+@962-1132nm

**Maximum Protection
High Technology
Secured Performance**

High and low temperature resistant.
Corrosion and flame resistant.
Protection against ultraviolet (UV)
and Infrared (IR) radiation.
Ergonomic design.
Effective protection.



Via Lega Lombarda 30 - 24040 Bonate Sopra BG Italy
tel. +39 035 494 33 54 - fax +39 035 494 29 25
commerciale@nworld.it - www.nworld.it