



TruVision™ WH02 Adjustable Solar Helmet

(with TruBlu™ Technology)



This Thermamax TruVision WH02 Adjustable Solar Helmet is a revolutionary helmet that uses autodarkening welding filters (ADFs) which instantly detect light and automatically darken in under 0.5ms. The **TruBlu technology** in the ADF uses a blue band pass, enabling the welder to see an almost full colour spectrum including yellow, red, orange, and blue during welding. This improves visual clarity of the weld pool, as well as allowing the welder to recognise warning LED lights on the machine which are often red or orange - enhancing safety. Furthermore, the *liquid crystal technology* and *Polarising filters* in the LCD screen are able to bend and darken incoming light for maximum eye protection.

This helmet is also equipped with a *band pass filter* which absorbs 99.9% of the harmful UV radiation while the layers of glass within the ADF filter absorb much of the harmful UVB radiation. The **TruVision WHO2 Adjustable Solar Helmet** forms part of our exclusive Thermamax Flagship Range - and is a major step in welding safety and performance. TruBlu technology significantly reduces welder eye fatigue hereby improving the health and productivity of the welder.

TECHNICAL DATA

Filter Lens Model	GL1007M1G
Viewing Field	41 x 92mm
Shade Control	Light States: DIN 4 Dark States: DIN 9 - 13 Outside adjustment
Switching Time	Light - Dark: 0.5 ms
Delay Time	Dark - Light: 0.1 - 0.8 sec
Sensitivity & Delay Time	Stepless adjustment
UV/IR Protection	Up to Shade DIN13
Operating Temperature	-5° to + 55°
Power Supply	Solar cells assist, Inside Lithium Batteries
Lens Control	Auto Standby 5 sec (when not on welding)
Standards	CE : EN379:2009; EN175:1997
Helmet Material	PA (High Impact Resistance Nylon)
Total Weight	480g
ADF Rating	CE 4/9-13 WDX 1/1/1/2/379 EN379
Grinding Function	Yes

ADF Marking Explanations:

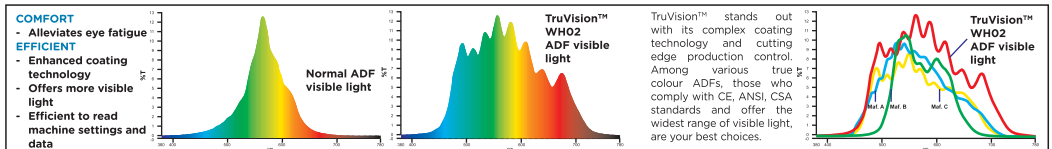
CE 4/9-13 WDX 1/1/1/2/379 EN379

CE EN 379 CE EN 175 CE EN 166 B



- 4 - Light state scale number
- 9 - Lightest dark state scale number
- 13 - Darkest state scale number
- WDX - Manufacturers identification
- 1 - Optical class

- 1 - Diffusion of light class
- 1 - Variation in luminous transmittance class
- 2 - Angle of dependence classification
- 379 - Number of the standard.



Actual colour comparison:



Designed in South Africa





TruFlow™ PAPER

Powered Air Purifying System

(with WHO2 TruVision™ Helmet)



The Thermamax TruFlow Powered Air-Purifying Respirator (PAPR) System is especially designed for welding operations that take place in confined spaces or areas without adequate ventilation. This complete system purifies surrounding air and delivers clean, breathable air for up to 9 hours without interruption. The TruFlow System comes standard with an 8-speed flow-controlled respirator (minimum 180L to 230L capacity) and utilises brushless motor technology. The run time on this unit is 9+ hours on low speed, and 5+ hours on high speed. The system uses a 4-cell Li-Ion battery pack that is supplied with premium rechargeable cells, that have a charging time of 6 hours, with a battery life indicator visible upon start-up.

The TruFlow PAPR System has multiple alarms including Audible, Visual and Vibrational alarms for blocked filters, missing filters and low battery settings. This complete PAPR System includes a comfort belt and convenient carry bag. It is a lightweight system, weighing just 1020g including the unit, battery and filter. The system also comes with a PRSL filter, and a prefilter, and is made from durable ABS material.

The TruFlow PAPR system is fitted with a spark deflector to protect the filter and prefilter. Each system also comes with a WHO2 Welding Helmet that has been specially prepared for the air feed unit. It comes with a FR material face seal, and a built-in air duct. The hose connecting the blower unit to the head top is protected against welding sparks and spatter with an FR cover to prolong hose life. The system also comes standard with a flowmeter and a multi-plug charger.



STAINLESS STEEL CONSUMABLES CONTAIN CHROMIUM AND/OR NICKEL

which are listed by OSHA, NTP and the International Agency for Research on Cancer (IARC) as carcinogens, or potential carcinogens. The IARC has thus determined that exposure to welding fume can cause lung cancer and possibly kidney cancer in humans. A PAPR respiratory system should be used when welding with these products to prevent inhalation of these toxic fumes.

Are your welders
adequately protected, or
is your company at risk of
possible lawsuits in the
future?

