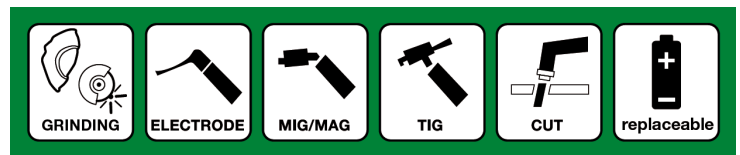


AUTOMATIC WELDING HELMET MERCURIO 4 Réf. 6MER400NSI

TECHNICAL DATASHEET



GENERAL DESCRIPTION AND MATERIALS

- Polyamide welding helmet,
- 4 light detectors ,
- Adjustable shade from 9 to 13,
- Automatic adjustment of the filter from clear shade 4 to selected shade (9 to 13),
- Field of vision: 100x45mm,
- Solar cell response time of 0,4ms
- adjustable clearing time from 0,1 to 1,0ms,
- Comfortable head gear with ratchet,
- Power supplied by solar cell and replaceable battery.

MAIN BENEFITS

- Large viewing area 100 x 45mm
- Auto-darkening shade from 9 to 13 in 0,4ms, back to clear in 0,1 to 1,0ms
- Grinding mode : keep the screen clear
- Power supplied by replaceable battery and solar cell
- Adjustable headband by ratchet
- Compatible with prescription glasses, breathing masks...

MAIN APPLICATION FIELDS

- Low amperage TIG rated 5A
- Electronic welding, MIG, MIC, MAG/CO2, Air, arc gouging, TIG, PLASMA jet cutting
- It is specially recommended for TIG welding as it is equipped with a special detector for this kind of welding.
- Internal adjustment knob protected inside the helmet, on the filter (protected from dust, shock...)

PACKING

- Sold by piece
- Individual packing

CE STANDARD

This welding helmet MERCURIO 4 is identical to the PPE certified under

- Welding shield #420: UE type-examination certificate No. 14085 Rev 1, 28/06/2019 by CERTOTTICA, notified body n°0530
- Automatic darkening filter #421 : UE type-examination certificate No. C5017YXE/R1, 02/05/2019 by DIN CERTCO, notified body n°0196
- According to the EC standard:



EN 166:2001
EN 175:1997
EN 379:2003+A1:2009

COVERGUARD - 555, rue de la Dombes - 01700 MIRIBEL - FRANCE

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TECHNICAL DATASHEET



- 1** Switch mode : welding / grinding
- 2** Low battery indicator
- 3** Replaceable battery autonomy 5000h

- A** Sensibility: adjustable shade from clear to dark
- B** Potentiometer: adjustable shade from 9 à 13
- C** Transition: adjustable shade and return from dark to clear from 0,1ms to 1,0 ms



RECOMMENDED ADJUSTMENT OF SHADE

WELDING PROCESS	ARC CURRENT (AMPS)	DARK SCALE
Covered electrodes	<60	8
	60-100	9
	100-150	10
	150-200	11
	200-300	12
	300-450	13
MAG	<65	8
	65-100	9
	100-150	10
	150-225	11
	225-400	12
	400-600	13
MIG with heavy metals	<125	9
	125-175	10
	175-250	11
	250-350	12
	350-450	13
MIC with light alloys	<175	10
	175-225	11
	225-300	12
	300-400	13
TIG	<30	8
	30-70	9
	70-125	10
	125-200	11
	200-300	12
	300-350	13
Air-arc gouging	<175	10
	175-200	11
	200-250	12
	250-350	13
Plasma jet cutting	<125	8
	125-150	9
	150-175	10
	175-250	11
	250-400	12
Micro-plasma arc welding	<6	4
	6-15	5
	15-40	6
	40-60	7
	60-100	8
	100-125	9
	125-175	10
	175-225	11
	225-300	12