

Yato | Code YT-73921 | Sku 1073921

Auto-Darkening Welding Helmet



Overview

The visor has an adjustable darkness level, adjustable sensitivity to the intensity of the light source, and adjustable time for maintaining the dark state after welding. A button on the outer shell in the grind setting disables the dimming function, so the helmet can then be used as personal protection against, for example, sparks from cutting or grinding metal. The four-point harness, thrusters, size adjustment system and working angles allow the helmet's position to be adapted to individual requirements and working comfort. The filters have a TEST button to check the operation of the self-dimming function. Routinely checking the filter every time helps protect the operator's eyes and health. Filter type: self-darkening, true colour. Optical properties: 1 / 1 / 1 / 2. Field of vision: 99x56 mm. Filter size: 126x103 mm. Response time: 0.3-1.0 ms. Brightening time: 0.1-1.0 s. Number of arc detectors: 4. Dark condition: 5-8 | 9-13 DIN. Bright condition: 4 DIN. Filter test, sensitivity adjustment, dimming adjustment. Power supply: solar cell + 2xCR2450. Operating temperature range: -5 ~ +55 C. *In visor versions available on the market from 04.2024.

Key Technical Specifications

Brand	Yato
Symbol	YT-73921
Standard	EN 175:1997, EN 379:2003 + A1:2009
Cell type	2x3V; CR2450
Functions	grinding, welding
Dark state	5-8, 9-13 DIN
Application	joining
Filter size	126x103x18 mm
Filter test	yes
Filter type	auto-darkening TRUE COLOR
Light state	4 DIN

UV/IR proof	yes
Dimming time	0.3-1 ms
Power supply	solar cell, battery
Set includes	welding helmet, protective glass x5 (YT-73924)
Viewing area	99x56 mm
Lens material	P.C
Producer code	5906083739217
Reaction time	1/25000 s
Shade control	yes, external, using a knob
Helmet material	PP
Welding process	MMA, MIG, MAG, TIG
4 point headgear	yes
Brightening time	0.1-1 s
Arc sensor quantity	4
Auto power on / off	yes
Storage temperature	-20 ~ +70 C
Low battery indicator	yes
Optical characteristic	1 / 1 / 1 / 2
Working temperature range	-5 ~ +55 C
Automatic sensitivity adjustment	yes, min-max, using the knob

Key Points

- Filter type: self-darkening, true colour
- Optical properties: 1 / 1 / 1 / 2
- Field of vision: 99x56 mm
- Filter size: 126x103 mm
- Response time: 0.3-1.0 ms
- Brightening time: 0.1-1.0 s
- Number of arc detectors: 4
- Dark condition: 5-8 | 9-13 DIN
- Bright condition: 4 DIN
- Filter test function
- Sensitivity adjustment
- Dimming adjustment
- Power supply: solar cell + 2xCR2450
- Operating temperature range: -5 ~ +55 C

Warnings

- In the grind setting the dimming function is disabled; ensure the correct mode is selected before welding.
- Check the filter using the TEST button before each use to protect the operator's eyes and health.

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- Use only within the operating temperature range of -5 ~ +55 C.