


• optrel
weldcap[®]
radical. casual.



PRELIMINARY DATA SHEET

Automatically better welding
swiss made 

SWIFT
HANDLING

REVOLUTIONARY
WEAR **COMFORT**

MULTI-PURPOSE **USE**

EXTENSIVE FIELD
OF **VISION**

MINIMAL **WEIGHT**

TOP MOST **PROTECTION**

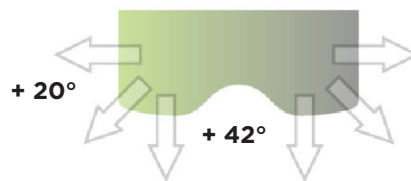


Preliminary Technical Data

Type description Light weight compound welding mask with large viewing area, true colour filter and bright see-through state; shade selection DIN 9 - 12; infinite variable by an adjustment knob; grinding mode operation and low battery warning LED

Power supply 2 pcs LI-batteries 3V exchangeable (CR2032)

Viewing area Viewing angle downwards: -42°
Viewing angle upwards: +20°
Viewing angle sideways: ±20°



Operatin time batteries approx. 2000 hours (operating)

Sensors Wide angle detection sensor

Light transmittance Ultraviolet/infrared protection (maximum at any shade setting)
Visible range activated shade level DIN 9-12
Visible range not activated shade level 3

Switching time Light to dark at room temperature 0.160 ms
Light to dark at 55°C / 131°F 0.110 ms
Dark to light 0.35 - 2 s (adjustable)

Classification Optical class = 1
Scattered light = 1
Homogeneity = 1
Angular dependence = 2

Shape stability Welding mask up to 220°C / 428°F
Front cover lens up to 137°C / 279°F

Protection for ADF Reflection free front cover lens and inside cover lens

Mask material PA6 and flame inherent double layer textile

Operation temperature -10°C to +60°C / 14°F to 158°F

Storage temperature -20°C to +80°C / -4°F to 176°F

Weigt Helmet cpl. approx. 390g

Application range All electric arc welding processes
Eletrode welding (Stick Welding, SMAW) / MIG / MAG GMAW) / GMAW
High melting rate process / Flux Cored Wire Welding / TIG welding
(GTAW / Plasma Arc Welding / Micro Plasma Arc Welding / Plasmacut
ting & Oxy-gas Welding / Grinding. Prohibited for laser welding!

Standards Pending for EN 175, (planned: CE ECS, ANSI, AS/NZS, GOST-R, complies with CSA Z94.3)

Warranty 2 years (except textile cap and batteries)



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