Automatic welding helmets

VarioProtect L-W

- ► Continuously variable DIN 4-8 and DIN 9-13
- Response time 1/30 000 s

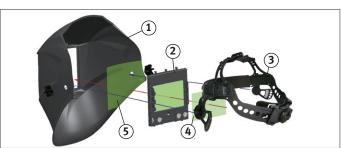
 4 sensors

Madal

► For electrode, MIG/MAG and TIG



Technical specifications View window Cassette dimensions Power supply On/off UV/IR protection Protection levels Light shade level Class* Transition response time Dark to light transition time Sensitivity Material Overall weight Technical specifications 98 x 43 mm 122 x 125 x 9 mm Solar cells Fully automatic permanent DIN 16 DIN 4 to 8 and DIN 9 to 13 Light shade level 4 Class* 1/1/2/1 Transition response time 0.25 - 0.8 s (continuously variable) Continuously variable	Model	VarioProtect L-W		
View window 98 x 43 mm Cassette dimensions 122 x 125 x 9 mm Power supply Solar cells On/off Fully automatic UV/IR protection permanent DIN 16 Protection levels DIN 4 to 8 and DIN 9 to 13 Light shade level 4 Class* 1/1/2/1 Transition response time 1/30 000 s (from light to dark) Dark to light transition time 0.25 - 0.8 s (continuously variable) Sensitivity Continuously variable Material Nylon	Art. no.	1653995		
View window 98 x 43 mm Cassette dimensions 122 x 125 x 9 mm Power supply Solar cells On/off Fully automatic UV/IR protection permanent DIN 16 Protection levels DIN 4 to 8 and DIN 9 to 13 Light shade level 4 Class* 1/1/2/1 Transition response time 1/30 000 s (from light to dark) Dark to light transition time 0.25 - 0.8 s (continuously variable) Sensitivity Continuously variable Material Nylon				
View window 98 x 43 mm Cassette dimensions 122 x 125 x 9 mm Power supply Solar cells On/off Fully automatic UV/IR protection permanent DIN 16 Protection levels DIN 4 to 8 and DIN 9 to 13 Light shade level 4 Class* 1/1/2/1 Transition response time 1/30 000 s (from light to dark) Dark to light transition time 0.25 - 0.8 s (continuously variable) Sensitivity Continuously variable Material Nylon				
Cassette dimensions Power supply On/off Solar cells On/off Fully automatic UV/IR protection Protection levels Light shade level Class* Transition response time Dark to light transition time Sensitivity Material 122 x 125 x 9 mm Solar cells Fully automatic Dermanent DIN 16 DIN 4 to 8 and DIN 9 to 13 Light shade level 4 Light shade level 4 1/1/2/1 Transition response time 0.25 - 0.8 s (continuously variable) Continuously variable	Technical specifications			
Power supply On/off Fully automatic UV/IR protection Protection levels Light shade level Class* Transition response time Dark to light transition time Sensitivity Solar cells Fully automatic Prully automatic DIN 16 DIN 4 to 8 and DIN 9 to 13 Light shade level 4 L1/12/1 Transition response time 1/30 000 s (from light to dark) 0.25 - 0.8 s (continuously variable) Continuously variable Nylon	View window	98 x 43 mm		
On/off UV/IR protection Protection levels Light shade level Class* Transition response time Dark to light transition time Sensitivity Material Fully automatic Permanent DIN 16 DIN 4 to 8 and DIN 9 to 13 Light 4 to 8 and DIN 9 to 13 Light 5 and DIN 9 to 13 Light 7 and DIN 9 to 13 Light 4 to 8 and DIN 9 to 13 Light 5	Cassette dimensions	122 x 125 x 9 mm		
UV/IR protection permanent DIN 16 Protection levels DIN 4 to 8 and DIN 9 to 13 Light shade level 4 Class* 1/1/2/1 Transition response time 1/30 000 s (from light to dark) Dark to light transition time 0.25 - 0.8 s (continuously variable) Sensitivity Continuously variable Material Nylon	Power supply	Solar cells		
Protection levels Light shade level Class* Transition response time Dark to light transition time Sensitivity Material DIN 4 to 8 and DIN 9 to 13 4 1/1/2/1 1/30 000 s (from light to dark) 0.25 - 0.8 s (continuously variable) Continuously variable	On/off	Fully automatic		
Light shade level Class* 1/1/2/1 Transition response time Dark to light transition time Sensitivity Material 4 1/30 000 s (from light to dark) 0.25 - 0.8 s (continuously variable) Continuously variable Nylon	UV/IR protection	permanent DIN 16		
Class* 1/1/2/1 Transition response time 1/30 000 s (from light to dark) Dark to light transition time 0.25 - 0.8 s (continuously variable) Sensitivity Continuously variable Material Nylon	Protection levels	DIN 4 to 8 and DIN 9 to 13		
Transition response time 1/30 000 s (from light to dark) Dark to light transition time 0.25 – 0.8 s (continuously variable) Sensitivity Continuously variable Material Nylon	Light shade level	4		
Dark to light transition time 0.25 – 0.8 s (continuously variable) Sensitivity Continuously variable Material Nylon	Class*	1/1/2/1		
Sensitivity Continuously variable Material Nylon	Transition response time	1/30 000 s (from light to dark)		
Material Nylon	Dark to light transition time	0.25 – 0.8 s (continuously variable)		
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Sensitivity	Continuously variable		
Overall weight 490 g	Material	Nylon		
	Overall weight	490 g		



Spare parts VarioProtect L-W				
No.	Designation	PQ	Art. no.	
5	Outer lens	10	1662030	
4	Inner lens	10	1662040	
3	Headband complete		1662032	
	Sweatband for forehead		1662023	
	Battery		1662034	
1	Welder's helmet casing		1662041	
2	Filter cassette L-W		1662042	

The comfortable headband in the VarioProtect model range

 $\cdot \;$ Maximum comfort for the user thanks to an adjustable headband. The headband can be quickly replaced thanks to the click mechanism. The sweatband is replaceable.

VarioProtect XL

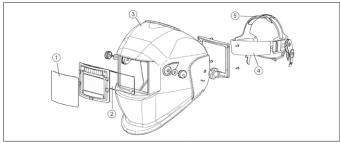
- ► Continuously variable DIN 9-13
- Response time 1/30 000 s
- ▶ 4 sensors
- Carbon design





Model	VarioProtect XL
Art. no.	1654001

Technical specifications	
View window	98 x 55 mm
Cassette dimensions	110 x 90 x 9 mm
Power supply	Solar cells + replaceable battery
On/off	Fully automatic
UV/IR protection	permanent DIN 16
Protection levels	DIN 9 to 13
Light shade level	4
Class*	1/2/1/1
Transition response time	1/30 000 s (from light to dark)
Dark to light transition	0.25 - 0.8 s (configurable in two stages:
time	"Short" - "Long")
Sensitivity	Continuously variable
Material	Premium, impact-resistant polyamide nylon
Overall weight	480 g



	Spare parts VarioProtect XL				
No.	Designation	PQ	Art. no.		
1	Outer lens	10	1662001		
2	Inner lens	10	1662003		
5	Headband complete	1	1662006		
i	Sweatband for forehead	1	1662005		
5	Battery	1	1662007		
3	Welder's helmet casing	1	1662008		
	Filter cassette XL	1	1662011		

