ROHRMAN
SCHWEISSTECHNIK

Protection against light radiation

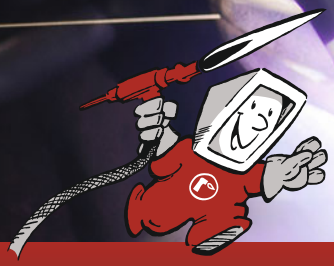
Autodim welding helmets

Autodim XA-1001 F

Autodim XA-1010 Pro

Autodim XA-1011 Pro

Autodim XA-5001 Pro



01/2018

Autodim XA-1001 F

Model Semi-Pro

viewing range: 96 x 42 mm
protection range DIN 4/9–13
number of sensors: 2 pc
classification: 1/3/1/2

Particulars

– external rotary control knob to adjust the dark level
– external protection disc 90 x 110 mm standard dimension

WEEE-Reg.-Nr.: DE 19201916

Recommended protection ran

Arcwelding process	1,5	6	10	15	30	40	60
MMA				8			
MAG				8			
TIG				8		9	
MIG							
MIG aluminium welding							
Carbon arc gouging							10
Plasma cutting							
Plasma welding		4		5		6	7
	1,5	6	10	15	30	40	60

This table contains recomman
automatic filter for different ar
conditions, you may choose th

All Autodim welding helmets are suitable for
above table.
The welding helmets are **not** suitable for the
At TIG welding with low welding current (<30
XA-1010 Pro, XA-1011 Pro or XA-5001 Pro !!!

Explication of classification ranges for examp
1) optic classification
2) classification light diffusion
3) clas
4) clas
light

Classification ranges from 1 (best classificat

Autodim XA-1010

Model Pro

viewing range: 97 x 47 mm
protection range DIN 4/9–13
number of sensors: 2 pc
classification: 1/1/1/2

Particulars

– high optic classification rapid reset
– grinding function is activated externally
– external rotary knob to adjust the dark level
– warning light with grinding mode and low battery status
– external protection disc 90 x 110 mm standard dimension

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Autodim XA-1011 Pro

Model Pro Advanced

viewing range: 97 x 47 mm
protection range DIN 4/9–13
number of sensors: 4 pc
classification: 1/1/1/2

Particulars

– optimal with difficult welding positions like overhead welding, by the use of 4 sensors
– grinding function is activated externally
– external rotary control knob to adjust the dark level
– warning light with grinding mode and low battery status
– external protection disc 90 x 110 mm standard dimension

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ges acc. EN 379:2003

Welding current in Amp.

70	100	125	150	175	200	225	250	300	350	400	450	500	600
9	10		11		12			13			14		
	9	10		11			12			13			14
		10		11		12		13					
		9	10		11		12		13		14		
			10		11		12		13		14		
					11		12		13		14		15
		9	10	11		12			13				
8		9		10		11		12					
70	100	125	150	175	200	225	250	300	350	400	450	500	600

dations for the choice of protection ranges of the
cwelding processes. Depending on the operational
e next lower or higher protection rate.

the welding processes as indicated in the

eyeprotection at laser-welding or laser-cutting.
A) we recommand the models

le: 1/1/1/2
sification light transmission fluctuation
sification angular dependence of the
transmission
ion) to 3

Autodim XA-5001

Model Pro Advanced Panorama

viewing range: 100 x 60 mm
protection range DIN 4/9–13
number of sensors: 4 pc
classification: 1/1/1/2

Particulars

– big viewing window for more overview during welding
– optimal with difficult welding positions like overhead welding, by the use of 4 sensors
– grinding function is activated internally
– internal rotary knob to adjust the dark level
– warning light with grinding mode and low battery status
– lithium battery is exchangable

WEEE-Reg.-Nr.: DE 19201916

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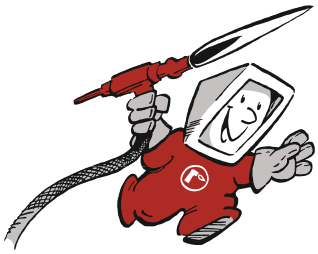

	Semi-Pro	Pro	Pro Advanced	Pro Advanced Panorama
				
	Autodim XA-1001 F	**Autodim XA-1010 Pro**	**Autodim XA-1011 Pro**	**Autodim XA-5001 Pro**
Helmet shell	1000	3000	3000	4000
Filter type	XA-1001 F	XA-1010 Pro	XA-1011 Pro	XA-5001 Pro
Filter dimension	110 x 90 x 8,5 mm 4.33" x 3.54" x 0.33"	110 x 90 x 8,5 mm 4.33" x 3.54" x 0.33"	110 x 90 x 8,5 mm 4.33" x 3.54" x 0.33"	114 x 133 x 9 mm 4.49" x 5.24" x 0.35"
Viewing range	96 x 42 mm 3.78" x 1.65"	97 x 47 mm 3.82" x 1.85"	97 x 47 mm 3.82" x 1.85"	100 x 60 mm 3.94" x 2.36"
Bright level	4	4	4	4
Adjustment dark level	9–13 external	9–13 external	9–13 external	9–13 internal
Response time	0,1 ms (CE) 0,05 ms (ANSI)	0,1 ms (CE) 0,05 ms (ANSI)	0,1 ms (CE) 0,05 ms (ANSI)	0,1 ms (CE) 0,05 ms (ANSI)
Sensibility control	adjustable internal	adjustable internal	adjustable internal	adjustable internal
Switching time to brightness	adjustable 0,1–0,9 ms internal	adjustable 0,1–0,9 ms internal	adjustable 0,1–0,9 ms internal	adjustable 0,1–0,9 ms internal
Operation temperature	–10°C to +55°C +14°F to +131°F	–10°C to +65°C +14°F to +149°F	–10°C to +65°C +14°F to +149°F	–10°C to +65°C +14°F to +149°F
Grinding function	no	yes external	yes external	yes internal
Low battery status	no	yes	yes	yes
Power supply	solar cell lithium battery	solar cell lithium battery	solar cell lithium battery	solar cell lithium battery battery exchangeable
Arc sensors	2	2	4	4
UV/IR protection	permanent DIN 15	permanent DIN 15	permanent DIN 15	permanent DIN 15
Classification	1/3/1/2	1/1/1/2	1/1/1/2	1/1/1/2
Certification	CE–DIN ANSI	CE–DIN Plus ANSI CSA	CE–DIN Plus ANSI CSA	CE–DIN Plus ANSI CSA
Exterior protection disc	110 x 90 x 1,0 mm 4.33" x 3.54" x 0.04"	110 x 90 x 1,0 mm 4.33" x 3.54" x 0.04"	110 x 90 x 1,0 mm 4.33" x 3.54" x 0.04"	114 x 133 x 1,0 mm 4.49" x 5.24" x 0.04"
Interior protection disc	103,5 x 47 x 1,0 mm 4.07" x 1.85" x 0.04"	105 x 54 x 1,0 mm 4.13" x 2.13" x 0.04"	105 x 54 x 1,0 mm 4.13" x 2.13" x 0.04"	106 x 66 x 1,0 mm 4.17" x 2.60" x 0.04"
Standard of helmet shell	EN 175 S	EN 175 B	EN 175 B	EN 175 B
Weight	500 g	550 g	550 g	550 g

GB Info 01/18

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