



# TBi ArcVisor **Autodarkening Welding Helmet**

For MIG/MAG-, TIG-, Plasma welding and Plasma cutting

Dark shade adjustable from DIN 9-13

Very high optical grade filter

## **Technical data**

#### TBi ArcVisor - autodarkening welding helmet

98 x 43 mm Viewing area Light state shade DIN 4

Dark state shade DIN 9-13, infinitely variable UV / IR-protection always active, DIN 16

1/2/1/1 Filter quality classification 1/30'000 sec Response time (light to dark)

Opening delay (dark to light) 0.25 - 0.8 sec, adjustable

Sensitivity of the infinitely variable optoelectronic sensors

Operation mode switch Autodarkening function can be deactivated for grinding

Power supply solar cell, no changing of batteries necessary

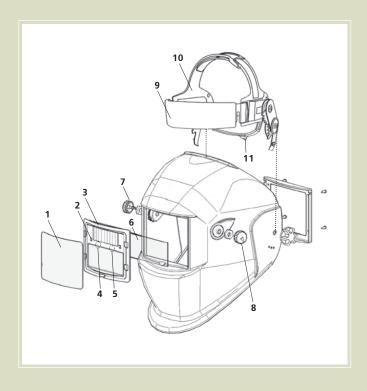
- 5 °C to 55 °C Operating temperature

Weight 450 g Warranty 1 year

**Technical specifications** according to EN379 and EN175

### **Ordering information**

TBi ArcVisor, (1 helmet with box) 714P101021 TBi ArcVisor, (12 helmets with box) 714P101019



- 1 Outside protective shield
- 2 Sensors
- 3 Autodarkening filter, DIN 9-13
- 4 Slide switch ,Delay' for opening delay time
- 5 Sliding switch for operation mode ,Mode'
- 6 Inside protective shield
- 7 Knob , Sensitivity' for sensor sensitivity
- 8 Shade adjustment knob, DIN 9-13
- 9 Pad
- 10 Head gear assembly, cpl. (without pad)
- 11 Knob for adjustment of the head circumference

Pos. Description

#### Spare parts

1	Outside protective shield	714P002072
3	Autodarkening filter TBi Industries, DIN 9-13	714P102091
6	Inside protective shield	714P102072
9	Pad	714P002059
10	Head gear assembly, cpl. (without pad)	714P002058

Part. no

#### **Controls**

## Opening delay

The knob ,Delay time' serves to adjust the opening delay. This is the timespan after which the filter automatically opens again when no arc is detected. This feature prevents premature opening of the filter when the arc is difficult to detect, or when the weld is still hot and glowing right after welding.

# Operation mode

The mode switch deactivates the auto-darkening function of the filter. In this setting, the helmet can also be used for grinding.

#### Dark shade setting

During the welding process, the intensity of the darkening can be infinitely adjusted from DIN 9 to DIN 13 by turning the knob at the outside of the mask. The shade has to be chosen according to the welding process and can be easily adapted to the job.

# Sensitivity of the sensors

The sensitivity of the light sensors can be infinitely adjusted with the knob ,Sensitivity'. The reaction of the filter changes correspondingly and unwanted activation of the dark shade by surrounding light is avoided.







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