

AerTEC™ SUMMIT air

Welding helmet with a built-in air distribution



Description

Provides protection of the user's eyes and face from harmful radiation including visible light, ultra-violet (UV), infra-red (IR) radiation, hot sparks and spatters resulting from arc welding and cutting. It is adapted for use with powered air purifying respirators CleanAIR® or with continuous flow compressed air breathing apparatuses CleanAIR®.

Application

Professional welding helmet suitable for most of welding processes such as MIG/MAG, SMAW, TIG, Plasma Arc welding and cutting, Carbon Arc gouging, gas welding and cutting. Not suitable for laser welding.

DA-111_-703401_-Summit_air_-EN

TECHNICAL DATASHEET



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Technical specification

Product code	70 34 01
Weight	756 g (complete helmet)
Hose connection	QuickLOCK™
Material	Polyamide (PA)
ADF model	AerTEC™ S60
ADF dimension	110 x 90 x 7 mm
Viewing area	98 x 62 mm
Weight (ADF)	108 g
Shade range	dark state, variable 5-8 / 9-13 light state 4
UV/IR protection	shade 13 (permanent)
Switching time	0,00015 s - light to dark (at 23°C) 0,1 - 0,9 s - dark to light (delay)
Functions	Shade control - internal Sensitivity control - internal (1-6) Grind mode - external (shade DIN 3) Delay control - internal
Optical classes	1 – optical quality 1 – light scattering 1 – homogeneity 2 – angular dependence
True colour view	yes
Number of sensors	4
Power supply	Solar cells, Lithium 3V type CR2450 1x
Power control	Automatic - auto-ON, auto-OFF (after 30 min if not in use)
Operating conditions	-5°C to +55°C
Storage conditions	-10°C to +55°C, 20 - 95 % Rh
Certification - eye and face protection	welding helmet - EN 175 B welding filter - EN 379 (1/1/1/2)
Certification / NPF* - respiratory protection	powered air purifying respirators - EN 12941, TH3 / NPF 500 airline systems (supplied air) - EN 14594 (3B) / NPF 200

* NPF = The nominal protection factor represents the level of protection provided by a respirator under standard laboratory test conditions

Disclaimer Notice

All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications.

TECHNICAL DATASHEET



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Compatible accessories and spare parts

Product code

Welding helmet AerTEC™ SUMMIT air incl headgear and face seal, w/o ADF	70 34 00
VariGEAR Standard w/o padding, w/o sweatband	72 00 09
Headgear VariGEAR Comfort incl. sweatband and paddings, w/o mounting set	72 00 10
VariGear mounting set (Omnira, SUMMIT)	72 00 10.92
VariGEAR Airduct - headgear incl. airduct	72 00 20
Faceseal for welding helmet - universal	70 21 53
Battery 3V for AerTEC™ S60 ADF	13 51 60
Auto-darkening welding filter AerTEC™ S60, 3/5-8/9-13	40 51 60
Protection plate inner (VERUS, Omnira COMBI, SUMMIT), pck of 10	*100/65/1/1
Protection plate outer, 110x90, pck of 10	*110/90/1

Compatible powered air purifying respirators / airline systems

Standard / Class

CleanAIR® AerGO®	EN 12941 TH3
CleanAIR® Basic	EN 12941 TH3
CleanAIR® Pressure	EN 14594 2A
CleanAIR® Pressure Flow Master	EN 14594 3B

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