# \* the picture is ilustrational only and may vary depending on additional equipment

# TECHNICAL DATASHEET



# 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, ultraviolet (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.

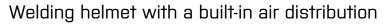
DA-111\_-\_703401\_-\_Summit\_air\_-\_EN



Revision.: 2022\_08\_19 Output.: 2022\_09\_02

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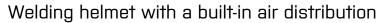
Technical specification	
Product code	70 34 01
Weight	756 g (complete helmet)
Hose connection	QuickLOCK™
Material	Polyamide (PA)
ADF model	AerTEC™ S60
ADF dimension	110 x 90 x 7 mm
Viewing area	98 x 62 mm
Weight (ADF)	108 g
Shade range	dark state, variable 5-8 / 9-13 light state 4
UV/IR protection	shade 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* - respiratrory protection	powered air purifying respirators - EN 12941, TH3 / NPF 500 airline sytems (supplied air) - EN 14594 (3B) / NPF 200

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

### Disclaimer Notice

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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
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