

**HMK
150**



Helmet Features P100 N

Outer shell

Multi-layer flame-resistant aramid fabric with special self-extinguishing lacquer, integrated push-button fasteners for direct adaptation of the AVON HM50 mask or a chin/mouth guard. 3 different shell sizes for maximum comfort

Inner shell

Special EPS inner shell for optimised shock absorption properties

Inner lining

Anti bacterial, flame-retardent lining of Nomex® fabric, removable and suitable for cleaning, excellent comfort

Retention system

3-point chinstrap of Nomex® fabric with integrated neck strap, Micro-Lock Ratchet Fastener, emergency release (survival buckle), chinstrap pad of flameretardent Nomex® fabric

Visor

Clear, 4 mm polycarbonate, with Anti-Fog coating

Neck protection

Penetration-resistant with 4-layer nylon insert, PU-Kevlar® covering

Weight

Approx. 1.500 – 1.900 g

Wearing aid

Helmet integrated D-ring

Accessories

Chin/mouth guard including emergency release system, homologated with AVON HM50 protective mask system, carrying bag for helmet, communication systems, tinted visor, Pinlock® visor (double-lens-system), individual padding set, camouflage covers

Helmet Sizes

SCHUBERTH Helmet Sizes	Alpha Helmet Sizes
46/47	XXXXS
48/49	XXXS
50/51	XXS
52/53	XS
54/55	S
56/57	M
58/59	L
60/61	XL
62/63	XXL
64/65	XXXL
66/67	XXXXL

P 100 modular system



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Crowd Control PPE System



PROVIDING COMPLETE HEAD & RESPIRATORY PROTECTION

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AVON
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Schuberth 
HEAD PROTECTION TECHNOLOGY

HMK150

Crowd Control PPE System



Providing complete head & respiratory protection

The HMK150 combines two leading edge products, Avon Protection's HM50 respirator and Schuberth's P100 N Crowd Control Helmet. It provides users with a simple, rapid donning system for head and respiratory protection within a crowd control and public order environment.

The system has been designed specifically to meet the requirements of the Technical Guidelines for Modular Systems – Protective Helmet, Communication System, Respirator Mask from the Technical Commission at the Police Management Academy, Research and Development Office for Police Engineering in Munster, dated February 2011.

Donning

HMK150 enables the respirator to be donned without removing the helmet ensuring head protection at all times.



Mask Features HM50

Unique Visor Technology

- Unique polyurethane visor is highly flexible plus scratch and impact resistant
- Fully optically correct across the whole field of view
- Panoramic visor design gives excellent field of vision and wearer recognition whilst greatly enhancing compatibility with weapon sights
- The Vision Correction System allows prescription lenses to be mounted inside the mask
- Clear outserts for extreme environments
- Sunlight outserts for high intensity light situations
- BlueBlocker outsert delivers sharper images by filtering out specific light wavelengths
- Laser outserts for protection against specific wavelengths

Air Flow Management

- Heat build up minimised
- Low inhalation resistance
- Low re-breathed carbon dioxide
- Excellent de-mist properties

User Comfort

- Lightweight with a slim profile – ensures mask is comfortable over long periods in the field
- Quick donning in under 9 seconds
- 3 sizes providing secure and comfortable fit for all facial shapes and sizes
- Compatibility with helmets and CBRN protective clothing is improved due to the low profile, close contour brow, flat buckles and extended chin flap
- Filter canisters are side mounted on either left or right side minimising interference and allowing improved capability for shoulder mounted devices
- The chloro-butyl/silicone blend face piece material ensures the mask is not only high in protection but also provides a better seal and is more comfortable to wear for extended periods
- High flow fail safe drinking device, allows connection to either a canteen or bladder type hydration system

Spares & Accessories

- Easy to maintain with simple access to key spare components such as valves
- Standard Avon accessories available, such as hydration canteens, Vision Correction System, clear and sunlight outsert lenses and a range of storage and carry bags

Certifications



HM50: CE Certification – Article 10 EC Type-Examination based on EN136:1998 / AC: 2003 in conformance with the PPE directive 89/686/EEC – DEKRA Exam GmbH

HMK150 certified to the German Federal and State Police Technical Directive (TR), For a Modular System – Protective Helmet, Communication System, Respirator Mask. February 2011

Accessories

Vision



clear outsert



sunlight outsert



blueblocker outsert



laser outsert



vision correction assembly

The unique design allows for prescription lenses to be fitted to the mask ranging from -8 to +10 Diopters in power. Flexible design allows assembly to fold inside the mask and lens height can be easily adjusted without need for special tools.

Communication



voice projection unit and microphone assembly

Hydration



water canteen



camelbak CBR50i

Storage & Carriers



universal carrier