

# SWATCOM



## AK5850B

### ATEX Passive Communications Headset

**Heavy duty passive headset with TP120**

Manufactured in Norway, this extremely durable heavy duty headset features outstanding hearing protection and communication.

**This product was built to meet the demands of extreme environments.**

### KEY FEATURES

- All metal parts are stainless steel for increased durability
- Quick positioning noise-cancelling boom microphone for ease of use
- Noise-cancelling microphone filters out background noise allowing clear speech transmission
- Helmet & Headband versions available
- Twin cup design for improved attenuation
- Helmet attachment for 30mm slots



AK5850BH



AK5850B

# Technical Information



## Sound attenuation and mass

AK5850BHS/AK5850BH, EN 352-1

| Frequency (Hz)       | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|----------------------|------|------|------|------|------|------|------|
| Mean attenuation(dB) | 18,3 | 23,5 | 30,4 | 41,4 | 31,4 | 37,8 | 39,9 |
| St.dev. (dB)         | 3,0  | 3,4  | 2,9  | 2,6  | 2,9  | 2,5  | 3,3  |
| APV (84%)            | 15,3 | 20,1 | 27,6 | 38,8 | 28,4 | 35,3 | 36,6 |

**H84** = 31 dB    **M84** = 30 dB    **L84** = 23 dB    **SNR84** = 32 dB  
**Hm** = 34,0 dB    **Mm** = 31,5 dB    **Lm** = 25,0 dB    **SNRm** = 32,9 dB  
**Hs** = 2,7 dB    **Ms** = 1,3 dB    **Ls** = 2,4 dB    **SNRs** = 1,3 dB  
Mean mass: 416 g.

AK5850BS, AK5850B, EN352-3

| Frequency (Hz)       | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|----------------------|------|------|------|------|------|------|------|
| Mean attenuation(dB) | 19,6 | 24,2 | 29,0 | 41,2 | 29,8 | 35,3 | 36,0 |
| St.dev. (dB)         | 2,7  | 3,5  | 3,4  | 3,0  | 3,8  | 2,1  | 3,1  |
| APV (84%)            | 16,9 | 20,7 | 25,6 | 38,2 | 26,0 | 33,2 | 32,8 |

**H84** = 29 dB    **M84** = 29 dB    **L84** = 23 dB    **SNR84** = 30 dB  
**Hm** = 32,0 dB    **Mm** = 30,8 dB    **Lm** = 25,7 dB    **SNRm** = 31,9 dB  
**Hs** = 3,3 dB    **Ms** = 2,0 dB    **Ls** = 2,2 dB    **SNRs** = 2,1 dB  
Mean mass: 438 g.

## ATEX, IECEx, UKEX, UKCA and CE approval

These products are certified under certificate no Nemko 03ATEX1351 issue 9, IECEx PRE 15.0063 and DNV 22 UKEX 45437 according to standards EN IEC 60079-0:2018, En 60079-11:2012 and UKSI 2016:1107. (Ui: 9V, li: 291mA, Pi: 1,2W Ci: Negligible, Li: 0,9Mh or Li/Ri: 6uH/Ohm) and CE type examination certificate no. 0598/PPE/22/2891 and 0598/PPE/2931 issued by 0598 SGS Fimko Ltd., Takomatie 8, FI-00380, Helsinki, Finland

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-40°C ≤ Ta ≤ 60°C

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