



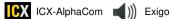
#### AK5850B

## AK5850B - Ex TwinCom Helmet Headset

Ex-approved Headset with helmet mounting

- Rugged headset for Ex and Industrial environments
- Helmet mount
- Noise-cancelling microphone
- ✓ High quality digital background noise reduction
- HD-voice compatible
- High quality audio
- Standard 4-pole Nexus connector for easy connection/replacement
- For use with Ex-approved and industrial plugboxwith PTT
- Low smoke and halogen free cable
- O Designed for Turbine Ex explosion-proof and industrial intercoms







## Description

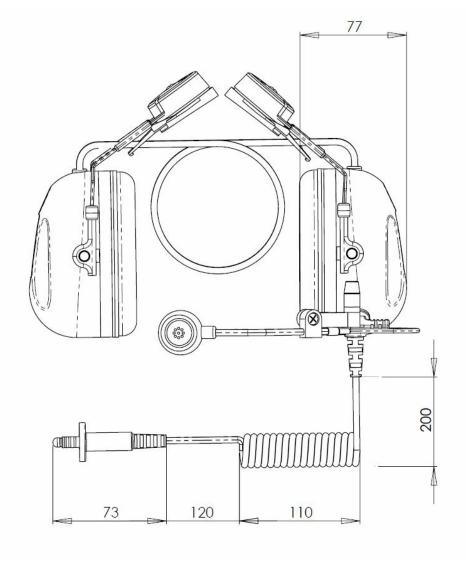
The AK5850B is a high quality industrial Ex-approved headset for use in rugged conditions. It offers an adjustable boom microphone and a short curly cable for flexible connectivity through a 4-pole Nexus plug. This headset is designed for use with the Vingtor Stentofon Turbine Ex and Industrial Intercoms and are HD Voice compatible when used with these stations.

Used with the TAX-2B/TA-22B Cable and Plugbox with PTT, it offers an exceptional range of over 10 meters.

### **Technical Dimensions**

certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

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page 2/5

# **Specifications**

### **MECHANICAL**

Weight	386 g
ENVIRONMENTAL	
Operational Temperature	-40°C to +60°C
Ingress Protection (IP)	IP-54 (when worn)
ELECTRICAL	
Impedance	230 ohm
Sensitivity (mic)	4 mV / 220 ohm
ACOUSTICAL	
Frequency Response	90-7000 Hz
Noise Reduction	-12dB @ 1kHz

### AK5850BS Helmet attached hearing protector TwinCom with custom moulded earplug

### **SOUND ATTENUATION**

Above 1kHz:	29,8 to 36 dB
500-1000 Hz	29 to 41,2 dB
125-500 Hz	19,6 to 29 dB
H84	29 dB
M84	29 dB
L84	23dB
SNR84	30 dB

### **CERTIFICATIONS**

CENELEC safety standards       EN 60079-0: 2018 & EN 60079-11: 2012         IEC safety standards       IEC 60079-0: 2018, IEC 60079-11: 2012         Marking       Ex ib IIC T4 Gb, Ta: -40°C to +60°C         ATEX certificate       Nemko 03ATEX1351 Issue 9         IECEx certificate       IECEx PRE 15.0063 Issue 2         PPE       (EU) 2016/425 (EN 352-1:2020, EN 352-3:2020, EN 352-3:2020, EN 352-6:2020 and EN 352-9:2020)			
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	PPE	EN 352-2:2020, EN 352-3:2020, EN 352-6:2020 and EN 352-	

## Accessories

page 3/5



### TAX-2B

Ex-Approved Plugbox & Dry Cable for Headset with PTT



### TA-22B

Industrial Plugbox & Cable for Headset with PTT

## **Used With**



#### EAPFX-6-V2

Exigo Industrial Ex Access Panel, 6 Buttons - V2



### EAPFX-1-V2

Exigo Industrial Ex Access Panel - V2



#### TFIX-1-V2

Ex IP Intercom Station- full keypad



### TFIX-2-V2

Ex IP Intercom Station with 6 buttons



## TFIX-3-V2

Ex IP Intercom Station with 3 buttons



### TFIE-1

IP and SIP Intercom



## TFIE-2

IP and SIP Intercom



## EAPII-1

Exigo Industrial Access Panel, 1 Button

page 4/5



### EAPII-6

Exigo Industrial Access Panel, 6 Buttons



### TFIE-6

IP and SIP Intercom

page 5/5