AK5850BHS

AK5850BHS Ex TwinCom Headband Headset w/ear plug connector

Ex-approved Headset with headband

- ✓ Rugged headset for Ex and Industrial environments
- ✓ Noise-cancelling microphone
- ✓ High quality digital background noise reduction
- ✓ HD-voice compatible
- ✓ High quality audio
- ✓ Optional in-ear monitors may be connected for added damping in extreme environments
- ✓ Standard 4-pole Nexus connector for easy connection/replacement
- ✓ For use with Ex-approved and industrial plugbox with PTT
- ✓ Low smoke and halogen free cable
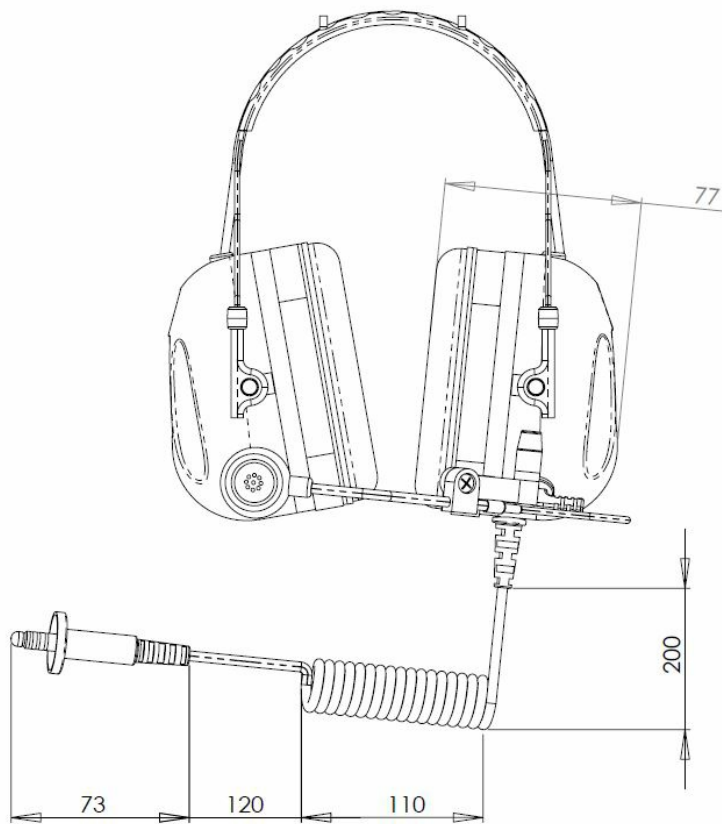- ✓ Designed for Turbine Ex explosion-proof and industrial intercoms

IP54   ICX-AlphaCom   Exigo

Description

The AK5850BHS 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. The pluggable nature of the headset allows for easy maintenance/replacement as well as allowing operators to use their personal headset as a hearing protection aid, and disconnecting once the conversation is over.

Technical Dimensions

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77

200

73   120   110

Specifications

MECHANICAL

Weight	400 g

ENVIRONMENTAL

Operational Temperature	-40°C to +60°C
Ingress Protection (IP)	IP-54

ELECTRICAL

Impedance	230 ohm
Sensitivity (mic)	4 mV / 220 ohm

ACOUSTICAL

Frequency Response	90-7000 Hz
Noise Reduction	-12dB @ 1kHz

AK5850BHS Over-the-head headband TwinCom with custom molded earplug

SOUND ATTENUATION

Above 1kHz:	36 to 49 dB
500-1000 Hz	38.6 to 39.3 dB
125-500 Hz	30.0 to 38.6 dB
H84	34 dB
M84	34 dB
L84	29 dB
SNR84	36 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 352-2:2020, EN 352-3:2020, EN 352-6:2020 and EN 352-9:2020)

Accessories

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TAX-2B

Ex-Approved Plugbox & Cable for Headset with PTT

TA-22B

Industrial Plugbox & Cable for Headset with PTT

Spare Boom Microphone for Headset

Spare Boom Microphone for all A-Kabel type Headsets

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

[EAPII-6](#)

Exigo Industrial Access Panel, 6 Buttons

[TFIE-6](#)

IP and SIP Intercom

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