zenitel

DATASHEET



AK5850H

AK5850H

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
- Standard 4-pole Nexus connector for easy connection/replacement
- For use with Ex-approved and industrial plugboxwith PTT
- Low smoke and halogen free cable
- Designed for Turbine Ex explosion-proof and industrial intercoms

IP54 ICX ICX-AlphaCom Exigo

Description

The AK5850H is a high-quality industrial Ex-approved headset designed for use in rugged and hazardous environments. It features an adjustable boom microphone and a short curly cable terminated with a 4-pole Nexus plug.

Zenitel Turbine Ex | Industrial Intercom use

When used with Zenitel Turbine Ex or Industrial Intercom stations, the headset must be connected via the TAX-2B or TA-22B cable with plugbox. This cable assembly provides the required interface between the headset and the intercom station. In this configuration, the AK5850H supports HD Voice functionality with compatible Zenitel intercom systems.

Used together with the TAX-2B or TA-22B cable and plugbox with PTT, the solution provides reliable communication with an operating range of over 10 meters, depending on installation and operating conditions.

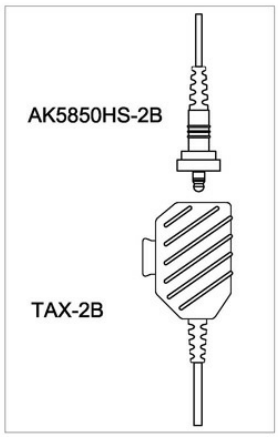
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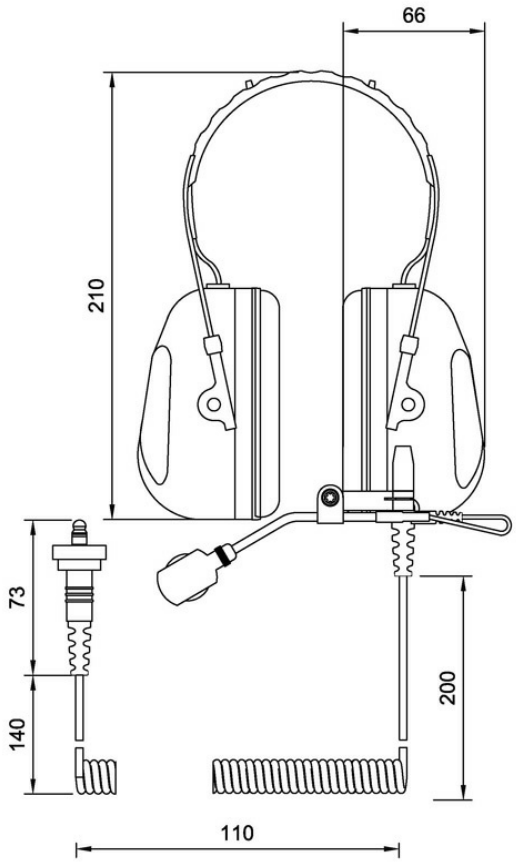
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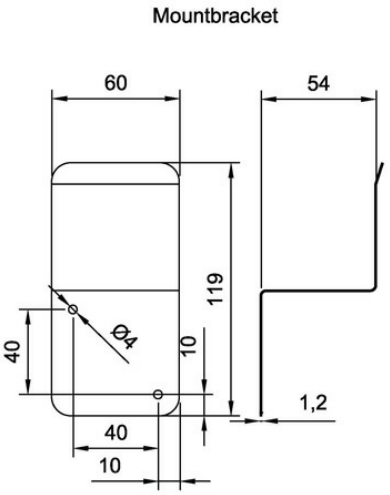
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Technical Dimensions







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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

SOUND ATTENUATION	
Above 1kHz:	-35 to -40 dB
500-1000 Hz	-27.5 to -35 dB
125-500 Hz	-15 to -27.5 dB
H84	31 dB (with in-ear monitor: 39 dB)
M84	26 dB (with in-ear monitor: 37 dB)
L84	20 dB (with in-ear monitor: 33 dB)
SNR84	29 dB (with in-ear monitor: 40 dB)
NRR	21 dB

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CERTIFICATIONS	
CENELEC safety standards	EN 60079-0: 2012 + A11: 2013 & EN 60079-11: 2012
IEC safety standards	IEC 60079-0: 2011, IEC 60079-11: 2011
Marking	II 2G Ex ib IIC T4 Gb, -40°C ≤ Ta ≤ +60°C
ATEX certificate	Nemko 03ATEX1351
IECEx certificate	IECEx PRE 15.0063

Accessories



TAX-2B

Ex-Approved Plugbox & Cable for Headset with PTT

Item Number: 1008150025



TA-22B

Industrial Plugbox & Cable for Headset with PTT

Item Number: 1008140225



Headset Stowage Bracket

Headset stowage Bracket for Wall mounting

Item Number: 3006090494



Spare Boom Microphone for Headset

Spare Boom Microphone for all A-Kabel type Headsets

Item Number: AK6070

Used With

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EAPFX-6-V2

Exigo Industrial Ex Access Panel, 6 Buttons - V2

Item Number: 1023221616



EAPFX-1-V2

Exigo Industrial Ex Access Panel - V2

Item Number: 1023221611



TFIX-1-V2

Ex IP Intercom Station- full keypad

Item Number: 1008123110



TFIX-2-V2

Ex IP Intercom Station with 6 buttons

Item Number: 1008123120



TFIX-3-V2

Ex IP Intercom Station with 3 buttons

Item Number: 1008123130



TFIE-1

IP and SIP Intercom

Item Number: 1008122010



TFIE-2

IP and SIP Intercom

Item Number: 1008122020



EAPII-1

Exigo Industrial Access Panel, 1 Button

Item Number: 1023201201



EAPII-6

Exigo Industrial Access Panel, 6 Buttons

Item Number: 1023201206

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TFIE-6

IP and SIP Intercom

Item Number: 1008122060

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