

AK5850HS
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Ex-approved Headset



 **AlphaCom**

 **Exigo**

 **IP66**

DESCRIPTION

- 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
- IP Rating: IP66
- 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

*when used with Turbine Industrial intercom stations

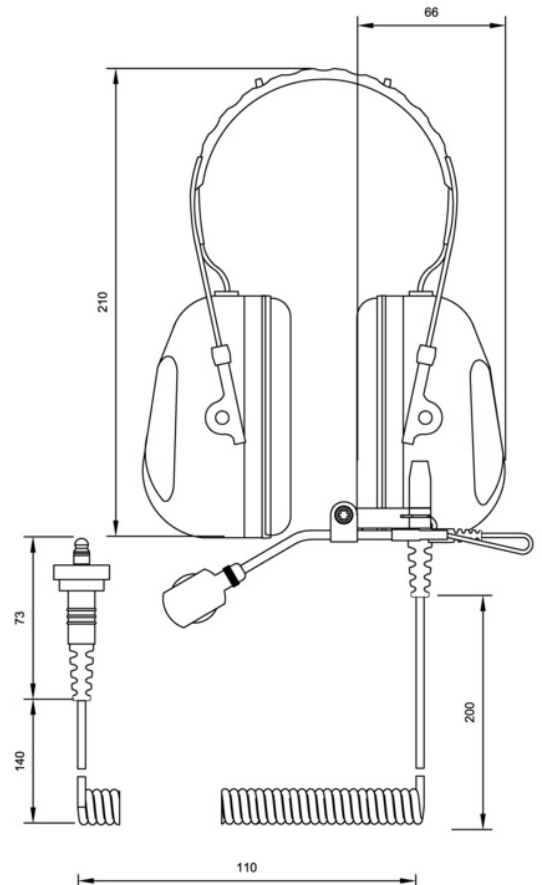
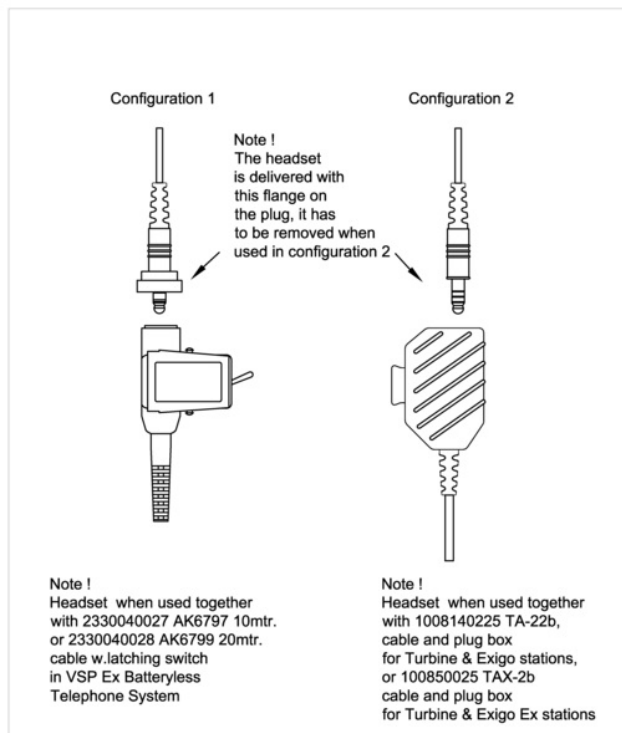
The AK5850HS is a high quality industrial Ex-approved headset for use in rugged conditions. It offers an adjustable boom microphone and a short curly cable for flexible connectivity through a 4-pole Nexus plug.

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.

SPECIFICATIONS

MECHANICAL	
Weight	400 g
ENVIRONMENTAL	
Operational Temperature	-40°C to +60°C
Ingress Protection (IP)	IP-66
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
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

TECHNICAL DIMENSIONS



ACCESSORIES



TAX-2B

Item Number: 1008150025

TA-22B

Item Number: 1008140225

USED WITH

1023221516

EAPFX-6

Exigo Industrial Ex Access Panel, 6 Buttons



1023221511

EAPFX-1

Exigo Industrial Ex Access Panel



1008123010

TFIX-1

Ex IP Intercom Station



1008123020

TFIX-2

Ex IP Intercom Station



1008123030

TFIX-3

Ex IP Intercom Station



1008123040

TFIX-4



1008122010

TFIE-1

IP and SIP Intercom



1008122020

TFIE-2

IP and SIP Intercom



1023201201

EAPII-1

Exigo Industrial Access Panel, 1 Button



1023201206

EAPII-6

Exigo Industrial Access Panel, 6 Buttons



1008122060

TFIE-6

