



## Communication securely and understandable

### Headsets for hazardous areas.

The effective use of resources is a fundamental key to the success of a company. Clear and targeted communication is a very important factor in this regard.









One such aspect is the use of modern facilities to relay information and instructions between the sender and the receiver in a reliable manner.

What is a problem, however, is the comprehensible transmission of the message. The correct volume is a factor. Another is the phonetically correct transmission of what is being said. It depends on whether the consonants can be transmitted and heard clearly and cleanly. Sounds such as "s, f, g, t, p, h, k and z" are particularly critical. These occur in the upper frequency range and can be hard to understand, or not heard at all, especially amidst a cacophony of voices or background noise. "care" or "bear" becomes "air" or „shine" becomes „nine" or „sign". This not only creates unpleasant situations; such misunderstandings in the operational environment can sometimes lead to hazardous situations. Without the correct equipment it is often virtually impossible to ensure a proper flow of information.

High-quality headset systems can help to avoid or defuse such situations. These transfer the sound to exactly where it is needed. Close to the ear. Moreover, these headsets are specialist devices in their field. They have been specifically developed and designed to ensure maximum quality reproduction, especially in noisy environments. Accurate voice transmission is just one reason why the use of headsets is worthwhile. Legislation does not prescribe the use of a hands free device or a headset when driving vehicles for nothing. Thanks to its technical components a headset fulfils the same tasks as a telephone receiver.



The advantage lies in the fact that both hands are kept free. The headset user has the use of both hands during a conversation and does not have to worry about his phone or radio, meaning he can concentrate on the conversation and his activity at hand.

Headsets			
			
Ex-TRA 80* Aurelis	Lite-Com Pro	ComCom Ex	Serenity SPC Ex
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Ex-TRA 300 PTT-E/PTT-EH	Ex-TRA 300 neckband	Ex-TRA 300 fire talk	Ex-TRA 300 fire talk supra
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## ComCom Ex

The intrinsically safe ComCom Ex is the ultimate headset, especially for connection to the Ex-Handy 07 and Ex-Handy 08. While wearing the headset you are still able to move freely and hands free working is possible. With the noise cancelling microphone your counterpart is able to understand every command and you are able to understand all instructions as well due to the in-ear loudspeaker.

Technical data	
<b>Loudspeaker</b>	
Pattern:	balanced armature
Impedance:	50 Ohm at 1 mW / 1 kHz
Sound pressure level:	max. 100 dB
Frequency range:	100 Hz-10 kHz
<b>Microphone</b>	
Pattern:	electret
Directional:	noise cancelling (NC)
Impedance:	2,200 Ohm
Sensitivity:	-44 dBV / Pa, 1 kHz
Frequency range:	100 Hz-10 kHz
<b>Additional data</b>	
Ambient temperature:	-20 °C ... +55 °C
Weight:	approx. 18 g



in cooperation with  
**PHONAK**

- Excellent performance
- Noise cancelling microphone
- Totally free movement
- Highest wearing comfort with custom-made ear shells

### Ex-Data:

ATEX  
 Ⓜ II 2G Ex ib IICT4 Gb  
 Ⓜ II 2D Ex ib IICT130°C Db  
 IECEx  
 Ex ib IICT4 Gb  
 Ex ib IICT130°C Db



## Compatible equipment

Mobile Phones	
	
Ex-Handy 08 / LWP	Ex-Handy 07 / LWP
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Ex-HSPA 08 / LWP	Ex-GSM 07
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## Accessories

General			
			
Acoustic filter 110WH	Acoustic filter 100YE	Acoustic filter 105OR	Lace
Art-Nr.: A0000962	Art-Nr.: A0000963	Art-Nr.: A0000964	Art-Nr.: A0000965
			
Generic ear shells	Wind muffler		
Art-Nr.: A0000966	Art-Nr.: A0000967		