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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
Page 15	Page 16 - 17	Page 18	Page 19
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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Serenity SPC Ex

The intrinsically safe Serenity SPC Ex is a hearing protection headset especially for connection to the Ex-Handy 07 and Ex-Handy 08. The light weight headset enables you to move freely and with both hands free during your telephone call. In noisy environments you are always protected against loud ambient noises due to the high noise attenuation of the Serenity SPC Ex. As well as you understand your counterpart, your counterpart can also hear you excellently because of the noise cancelling of the microphone.

Technical data	
Loudspeaker	
Pattern:	balanced armature
Impedance:	50 Ohm at 1 mW / 1 kHz
Sound pressure level:	max. 100 dB
Frequency range:	100 Hz-10 kHz
Microphone	
Pattern:	elektret
Directional:	noise cancelling (NC)
Impedance:	2,200 Ohm
Sensitivity:	-44 dBV / Pa, 1 kHz
Frequency range:	100 Hz-10 kHz
Additional data	
Ambient temperature:	-20 °C ... +55 °C
Noise attenuation:	max. 28 dB
Weight:	approx. 22 g

in cooperation with
PHONAK



- Excellent performance
- Noise cancelling microphone
- Totally free movement
- Highest wearing comfort and hearing protection due to custom made ear shells
- Complies to EN 352-2

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
Page 4	Page 5
Ex-HSPA 08 / LWP	Ex-GSM 07
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Accessories

General

SNR: 28 dB	SNR: 25 dB	SNR: 24 dB	
Acoustic filter 110WH	Acoustic filter 100YE	Acoustic filter 105OR	Lace
Art.-Nr.: A0000962	Art.-Nr.: A0000963	Art.-Nr.: A0000964	Art.-Nr.: A0000965
Wind muffler			
Art.-Nr.: A0000967			