

Dräger ANP-COM Communication unit

Dräger ANP-COM is an integrated communication unit with active hearing protection. It protects against loud, distracting background noises, while also allowing direct communication with others. Radio messages can likewise be heard clearly. With its slim design, the ANP-COM is even suitable for wearing under a helmet.



Benefits

Communication even in noisy surroundings

Ideal combination of active hearing protection and a radio communications system: Even at very high noise volumes (offshore sites, shipyards, helicopters, engine rooms), the integrated microphones and speakers allow low-level surrounding sounds to be picked up.

The external microphones direct the sounds to the earmuffs. There, they are played back in stereo so the user can even hear from which direction the sounds are coming. Whenever the noise volume lowers to a tolerable level, the hearing protection switches back to listening mode and surrounding sounds are amplified again.

Radio connections

An integrated 4-pin NEXUS plug provides an interface to an external push-to-talk button (Dräger C-C440 or C-C550) for analogue and digital radio communication. Here, you can connect any of approx. 350 different radio models. Even if the battery of the ANP-COM runs out, it is still possible to transmit and receive radio messages.

Use with protective headwear

Both in industrial settings and fire services, workers and rescue teams are often exposed to situations involving extreme noise levels that require the use of head and hearing protection. With its slender yet durable design, the Dräger ANP-COM can even be worn under a helmet.

High level of comfort

The combination of its light weight of about 350 g and the high-quality ear cushion on the earmuffs ensure a high level of comfort. That makes the APN-COM a perfect choice, even for lengthy periods of use, without the risk of pressure spots.

Use in potentially explosive hazardous environments

The Dräger ANP-COM is also approved to EXII 2G Ex ib IIC T4 standards, thus allowing you to use it in an explosive atmosphere. In combination with the Dräger C-C440 or C-C550 control units, it can be connected with an ATEX approved radio device.

Various configurations

For transmitting voice, three different microphones (throat, swan-neck and bone conduction microphone) are available. The microphones differ in terms of speech quality and wearing comfort. In extremely loud environments, we recommend a vibration-sensitive microphone, such as a throat or bone conduction microphone.

System Components



D-37163-2015

Dräger HPS® 4500

The Dräger HPS® 4500 is a traditional half-shell helmet with a modern design. Its robust outer shell provides you with excellent protection against impact and extreme heat. With a modern visor design, the helmet has superior wearer comfort due to ergonomic and lightweight internal components. A comprehensive range of accessories make our solution a truly versatile helmet across a variety of applications.



D-59562-2012

Dräger HPS® 7000

The Dräger HPS® 7000 firefighter's helmet is in a class of its own, thanks to its innovative, sporty and dynamic design, ergonomic fit and components which make it a multifunctional system solution. It provides optimum protection during every operation.



D-8339-2014

Dräger C-C440

Control unit with large Push-to-Talk button for easy handling of the radio transmitter. Tough and robust design according to IP67 / MIL-STD-810G standards. Specially designed for deployments using chemical protective suits. ATEX versions available.



D-9342-2014

Dräger C-C550

Control unit for the tactical transmitter with integrated loudspeaker and microphone. Can be hooked up to a number of receiver models. Its strong and robust design is IP67 / MIL-STD-810G approved. Allows for independent deployments with the radio receiver (also without attached headset). User-friendly with two PTT buttons.

Related Products



D-28795-2015

Dräger FPS®-COM 5000

Because there is no time for misunderstandings in an emergency: The Dräger FPS®-COM 5000 communication unit has been specifically developed for the full-face mask Dräger FPS® 7000 and ensures clear communication through a voice amplifier unit or radio device – even under extreme conditions.



D-28805-2015

Dräger FPS®-COM 7000

The Dräger FPS®-COM 7000 provides hands-free communication for all wearers of respiratory protection devices during a mission. Excellent voice quality is achieved by removing interfering noises.



ST-5785-2004

Dräger HC-COM

Clear, reliable, hands-free communication – even when wearing a helmet and breathing gear. The audio/speech headsets in the Dräger HC-COM series can be incorporated into a wide range of systems to increase safety and improve work efficiency.



D-9679-2014

Dräger MS-COM

A reliable and easy-to-assemble communication unit, specially developed for Dräger full-face masks. The Dräger MS-COM can easily be attached to the various versions of the Dräger Panorama Nova full-face masks using the sturdy clip-on system. It instantly provides clear and reliable communication, increases personal safety and work efficiency and allows total concentration on the task at hand.

Technical Data

Weight	approx. 350g
Earmuff depth	46 mm
Operating temperature	-20°C till + 40°C
Storage temperature	max. 85°C
Protection class	IP54
Headband	stainless steel, natural leather
Earmuff cushions	Polycarbonate
Batteries	2 x AAA

Acoustic data

Swan-neck microphone	Impedance	150 Ω ±30 % at 1 kHz
	Sensitivity	-1 db at 3 ± 3 dB
Throat microphone	Impedance	3900 Ω at 1 kHz
	Sensitivity	45 dB at 1.0 V/G
Bone conduction microphone	Impedance	3900 Ω at 1 kHz
	Sensitivity	45 dB at 1.0 V/G
External microphone	Impedance	2200 Ω at 1 kHz
	Sensitivity	-39 dB ±2 dB
Speaker	Impedance	2 x 150 Ω
		2 x 32 Ω (parallel connection)
	Noise pressure	81 dB ±3 dB at 1 kHz 0.2 mW 0.5m average at 1 kHz

Approvals:

PPE Directive	PPE (EU) 2016/425 Regulation
Hearing protection	EN 352-1:2002
Hearing protection	EN 352-4:2001/A1:2005
Hearing protection	EN 352-6:2002
Intrinsic safety (ATEX)	EN 60079-0:2012/A11:2013
Intrinsic safety (ATEX)	064X Ex II 2G Ex ib IIC T4, Ta -20 °C till +40 °C
Electromagnetic compatibility	EN 61000-6-2:2005
Electromagnetic compatibility	EN 61000-6-2:2007/A1:2011

Ordering Information

Dräger ANP-COM	Order number
Dräger ANP-COM with swan-neck microphone	R 35 109
Dräger ANP-COM with throat microphone	R 35 142
Dräger ANP-COM with bone conduction microphone	R 35 143
Compatible products	Order number
Dräger C-C440	radio-specific
Dräger C-C440	radio-specific
Dräger HPS 4500	upon request
Dräger HPS 7000 (H2)	upon request

Notes

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