

Dräger Communication Systems

Clear and trouble-free communication is a must during deployments. Especially when it comes to environments with high noise levels such as fires and other disasters, it's crucial that fire fighters and rescue personnel are able to rely on their communications systems.



D-8418-2014

EASY COMMUNICATION UNDER THE HARDEST OF CONDITIONS

Every deployment brings its own set of challenges and dangers: poor sight, extreme noise levels or other disruptive factors just to name a few. That is why you need a communication system that stands up to all kinds of conditions, while making sure that everything you and your team say is clearly understandable. What's more, it needs to resist against heat, water, dust and mechanical elements. The communication systems from Dräger are made, tested and used in the most demanding conditions, whether worn under the breathing apparatus, mounted on the helmet or worn independently.

COMMUNICATION AND BREATHING PROTECTION

Our wide array of products and solutions means that you are sure to find the right communication system for portable transmitter units and protective equipment. This also includes all communication systems for use with breathing masks. The sound of one's own breathing, as well as poor view can greatly impair communication. That is why our microphones are mounted directly on the speech membrane of the mask. This way, each spoken word is clearly transmitted. It has been shown that a clear communication significantly reduces the amount of stress while wearing breathing- or chemical protective suits. The well-established Dräger FPS 7000 and Panorama Nova masks can be outfitted with such a system.



D-86979-2014

Effective communication in chemical protective suit



D-12273-2014

Helmet-mounted communication with robust speech button

COMMUNICATION SYSTEMS OR FIRE FIGHTERS

The helmet-mounted communication systems from Dräger can be universally used for a number of head protective equipment. The combination of a powerful loudspeaker and different microphone varieties allows for high-quality sound both when speaking and listening. Thanks to their practical attachment system, the Dräger communication equipment work perfectly with various helmets. With the helmets from the Dräger HPS-Series, you

can be sure of optimal results both in terms of stability, fit and wearing comfort. The system is EN443 approved and fits in half-shell and full-shell helmets.

UNIVERSALLY DEPLOYABLE COMMUNICATION SYSTEMS

Aside from special communication solutions for helmets and breathing apparatuses, Dräger also offers a diverse array of universally deployable communication systems. The hearing and speaking attachments, as well as Remote-Speaker-Microphones can

be used regardless of which protective equipment is being deployed and are ideal for tactical team coordination. All communication systems from Dräger are characterized by their flexible combination possibilities, robust design and user-friendliness. The C-C550 Remote-Speaker-Microphone can even be operated without the speaker headset. The PTT (Push-To-Talk) buttons are easy to reach, robust and can be easily operated while wearing gloves.

Mask-integrated communication systems



D-10572-2011

Dräger FPS-COM-PLUS

TECHNICAL FEATURES OF THE DRÄGER FPS-COM-PLUS

Communication unit for the Dräger FPS 7000 full face mask. Improved speaking quality via integrated microphone in the mask and digital breathing sound reduction. Two voice amplifiers and connection to a number of different radio handhelds (direct and indirect).

Weight	Dependant on variant 250 – 320 g
Approved	EN 136 class 3, EN 137 type 2, Ex ia IIC Ga
Protection class	IP67
Cable	connection cable depends on radio model



D-9690-2014

Dräger MS-COM

TECHNICAL FEATURES OF THE DRÄGER MS-COM

Developed for attachment to the Dräger Panorama Nova full face mask. The positioning of the microphone next to the speech membrane provides a high quality speech transmission.

Weight	84 g
Size	78 × 37 × 16 mm
Microphone	Air conduction, electret
Approved	EN 136 class 3, EN 137 type 2, Ex ib IIC T4
Protection class	IP56
Cable	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral PUR, high-temperature stability: Ø 4 mm / 900 mm, straight

Helmet-mounted communication systems

D-9881-2014 & ST-4672-2003



Dräger HC-1/HC-2 COM

TECHNICAL FEATURES OF THE DRÄGER HC-1/HC-2 COM

Easy to mount helmet communication system for half-shell and full-shell helmets. Includes noise-sensitive bone conductive microphone for the filtering of surrounding sounds and available with one or two loudspeakers. ATEX versions available.

Weight:	85 g
Size:	160 × 40 × 12 mm (HC-1 Compact)
Microphone:	Vibration-sensitive
Cable:	HC-1: PUR, flame-retardant: Ø 4 mm / 380 mm, spiral HC-2: PUR: flash-over proof: Ø 4 mm / 750 mm, straight

ST-544-2004



Dräger HC-E COM

TECHNICAL FEATURES OF THE DRÄGER HC-E COM

A noise-sensitive electret microphone that is integrated into the loudspeaker. Ideal for half-shell and full-shell helmets. Easy attachment inside of helmet possible. ATEX versions available.

Weight	70 g
Size	110 × 40 × 12 mm
Microphone	Electret, air conduction
Cable	PUR, flame-resistant: Ø 4 mm / 380 mm, spiral PUR, high-temperature stability: Ø 4 mm / 750 mm, straight

ST-346-2004



Dräger MP-H COM

TECHNICAL FEATURES OF THE DRÄGER MP-H COM

Helmet unit with boom microphone. Easy attachment to helmet via various adaption possibilities. Created for mounting in integral helmets. ATEX versions available.

Weight	80 g
Size	175 × 70 × 12 mm
Microphone	Electret, air conduction
Cable	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral

Independent communication units



ST-538-2004

Dräger E-COM

TECHNICAL FEATURES OF THE DRÄGER E-COM

The cost-effective, multi-purpose solution with an in-ear bone conductive microphone. The loudspeaker is positioned directly inside the ear. Ideal for areas with high noise levels and for wearing under chemical protective suits.

Weight	20 g
Size	15,5 × 26,5 mm
Microphone	Vibration-sensitive
Cable	PVC/PUR, flame-resistant: Ø 2 mm / 760 mm, spiral PUR: high-temperature stability: with heat-resistant coating



ST-536-2004

Dräger TMS-COM

TECHNICAL FEATURES OF THE DRÄGER TMS-COM

Throat microphone with earphones, including connector plug to a Dräger control unit for use with a tactical radio. The microphone is integrated into a flexible and washable belt, making it ideal for use under chemical protective suits and in areas with high noise levels.

Weight:	90 g
Size	110 × 40 × 12 mm
Microphone	Vibration-sensitive
Cable	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral PUR, high-temperature stability



D-9343-2014

Remote-Speaker-Microphone
Dräger C-C550

TECHNICAL FEATURES OF THE DRÄGER C-C550

Control unit for the tactical transmitter with integrated loudspeaker and microphone. Can be hooked up to a number 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. ATEX versions available (regardless of radio transmitter type).

Weight:	170 g (without cable connection)
Size	79 × 115 mm
Microphone	Air conduction
Cable	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral



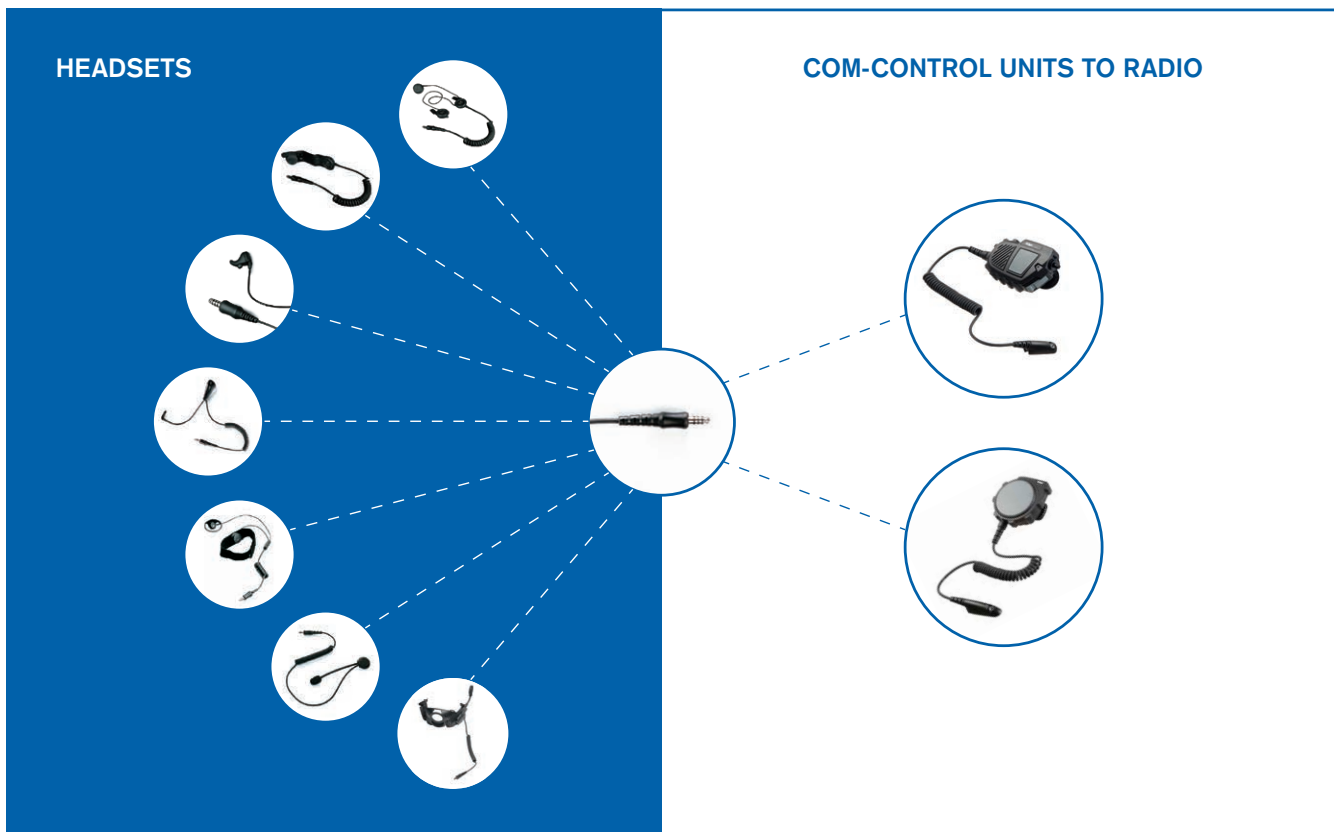
D-9339-2014

Push-To-Talk button
Dräger C-C440

TECHNICAL FEATURES OF THE 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 standards. Specially designed for deployments using chemical protective suits. ATEX versions available.

Weight	140 g (without cable connection)
Size	66 mm (diameter PTT button)
Cable	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral



D-9690-2014

ORDER INFORMATION

Mask-integrated communication systems

		Order No.
Dräger FPS-COM-PLUS VA		R 58 700
Dräger FPS-COM-PLUS VA RC		R 58 800
Dräger MS-COM	(ATEX/Ex II 2 GD, Ex ia IIC T4, Ex iaD 21 T130 approved), spiral cable, straight, flash-over proof cable	R 35 085 R 35 024
	spiral cable	R 35 025
Dräger MS-COM Boom	microphone in front of exhalation port, spiral cable	R 29 361
	microphone in front of exhalation port, straight, flash-over proof cable	R 29 360
	(ATEX/Ex II 2 GD, Ex ia IIC T4, Ex iaD 21 T130 approved), spiral cable	R 60 918

Accessories MS-COM (for MS-COM-Boom, bracket required only)

	Order No.
Cap Panorama Nova RA	R 55 088
Cap Panorama Nova P	R 55 086
Cap Panorama Nova PE	R 55 087
Cap FPS 7000 P/RA	R 56 821
Cap FPS 7000 PE/ESA	R 56 822
Cap FPS 7000 RP	R 56 981
Cap FPS 7000 RP-TR	R 56 982
Bracket Panorama Nova	R 35 063
Bracket FPS 7000	R 56 846

ORDER INFORMATION (CONTINUED)**Helmet integrated communication systems**

		Order No.
Dräger HC-1 COM ATEX (ATEX/Ex II 2 GD, ia IIC T5, Ex iaD 21 T95 approved)	spiral cable, long microphone arm	R 35 059
	straight, flash-over proof cable, long microphone arm	R 60 904
	spiral cable, short microphone arm	R 60 905
Dräger HC-1 COM	spiral cable, short microphone arm	R 35 040
	spiral cable, long microphone arm	R 60 910
Dräger HC-2 COM ATEX (ATEX/Ex II 2 GD, ia IIC T5, Ex iaD 21 T95 approved)	spiral cable	R 35 061
	straight, flash-over proof cable	R 60 909
Dräger HC-2 COM	spiral cable, short microphone arm	R 35 041
Dräger HC-E COM ATEX (ATEX/Ex II 2 GD, ia IIC T5, Ex iaD 21 T95 approved)	spiral cable	R 35 062
	straight, flash-over proof cable	R 60 912
Dräger HC-E COM	spiral cable	R 35 042
	straight, flash-over proof cable	R 60 911
Dräger MP-H COM	spiral cable	R 35 036
Dräger MP-H COM ATEX (ATEX/Ex II 2 GD, ia IIC T5, Ex iaD 21 T95 approved)	spiral cable	R 35 037

Accessories HC-COMS

		Order No.
Adaptor HPS 6200, right		R 56 825
Adaptor HPS 6200, left		R 56 826
Adaptor HPS 4100		R 56 827
Adaptor Gallet		R 60 928
Required adaptation ring for Dräger HC-COM		R 56 828

Independant communication units

		Order No.
Dräger E-COM		R 60 913
Dräger TMS-COM	(ATEX/Ex II 2 GD, ia IIC T6, Ex iaD 21 T80 approved)	R 35 026
Dräger Noise-COM	Headset for integration into hearing protection ear muffs, spiral cable (ATEX/Ex II 2 G, Ex ib IIC T4 approved), spiral cable	R 60 923 R 60 939

Com-Control Units

		Order No.
Dräger C-C400		depending on radio
Dräger C-C440		depending on radio
Dräger C-C500		depending on radio
Dräger C-C550		depending on radio

For part numbers, being not explicitly indicated above, please refer to the latest price list.

CORPORATE HEADQUARTERS

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