

# Dräger Safety Communication Systems



ST-1025/2003

For operations under extreme conditions and in dangerous situations, it is important to ensure that your communication is reliable.

**Dräger Safety  
Communication Systems**  
All the devices above can be combined universally with the control units.



In fire and rescue operations, in which personal action is the key to success, human lives can sometimes depend on how well the emergency personnel are able to communicate with each other. Dräger Safety communication systems make such operations simpler, safer and more efficient.

Many personnel in the area of public safety, such as firefighters, police and rescue services, wear helmets on assignment for their personal protection. On some assignments, it is necessary to use breathing apparatus. On assignment there is no time to waste on technical problems. Therefore, in these situations, the communications systems must also work reliably at all times.

With our complete product range of communication systems, it is possible to

find just the right individual combination of personal safety equipment with a wide variety of portable radio devices. For instance, the helmet units combine powerful speakers with various different microphones, depending on the conditions of the operations. With the aid of practical attachment systems, the devices can be installed very quickly and easily in a variety of helmets, especially of course the Dräger HPS 6100 and the Dräger HPS 4100. In addition to other special applications, such as combination with breathing protection masks or hearing protection equipment, Dräger Safety also offers communication systems that can be used universally.

Dräger Safety communication systems offer safety, reliability, effectiveness and comfort.



Dräger HC-1 Com



Dräger HC-1 Com (ATEX)



Dräger HC-2 Com



Dräger HC-E Com



Dräger TMS-Com



Dräger MS-Com



Dräger MS-Com Boom



Dräger G-Com

**TECHNICAL DATA General**

Ambient temperature:	-25... +63° C (continuous)
Power supply:	3.0...10.0 VDC
Humidity:	95% RH, +63° C for 500 hours
ESD, EMI safety:	EN 301 489-1
Connector:	4-pole quick-release connector
Approval:	ATEX/EEEx ib IIB T5 (only valid for long-arm-microphone-versions)

**TECHNICAL DATA Communication Units (devices above)****Dräger HC-1 Com\*, Dräger HC-2 Com\***

Easy-to-install helmet units for all helmet operations under tough conditions. Practical, noise-sensitive, bone-conduction microphone, with one or two speakers.

Weight:	85 g
Size:	160 x 40 x 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

**Dräger HC-E Com\***

Helmet unit for rescue personnel and operations leaders. Noise-sensitive air-conduction microphones integrated in the speaker unit, making it very easy to fasten.

Weight:	70 g
Size:	110 x 40 x 12 mm
Microphone:	Electret, air conduction
Cable:	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral PUR, high-temperature stability: Ø 4 mm / 600 mm, straight

\* Dräger HC-1, -2, -E Com available as version with short or long microphone arm (only long version has ATEX/EEEx IB IIC T5-approval).

**Dräger TMS-Com**

Throat microphone / speaker combination for communication in loud environments. Connected around the neck by a flexible, washable band. For voice pickup, just press lightly against the larynx.

Weight:	90 g
Size:	110 x 40 x 12 mm
Microphone:	Vibration-sensitive
Cable:	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral PUR, high-temperature stability: Ø 4 mm / 600 mm, straight

**Dräger MS-Com / MS-Com boom**

Especially for wearers of breathing apparatus for combination with the Dräger Safety full-face masks Panorama Nova and f2. Easy to attach to the mask with a clip-on system + matching cap. Complies with the standard EN 136 Cl. 3.

Weight:	84 g
Size:	78 x 37 x 16 mm
Microphone:	Electret, air conduction
Cable:	PUR, flame-resistant: Ø 4 mm / 270 mm, spiral PUR, high-temperature stability: Ø 4 mm / 900 mm, straight

**Dräger G-Com**

Ergonomic ear set with optimal fit with flexible, adjustable wire. For rescue personnel, operations leaders, and police. Noise-sensitive, high-quality microphone.

Weight:	10 g
Size:	100 x 42 x 12 mm

Microphone	Electret, air conduction
Cable:	PUR, flame-resistant: Ø 2 mm / 270 mm, spiral
Alternative connector:	Telephone-specific connection

**Dräger E-Com**

Very affordable all-round solution; especially well suited for use under chemical protection suits, for police, or in loud environments. Speaker and bone-conduction microphone in a very small housing can be worn directly behind the ear.

Weight:	20 g
Size:	15.5 x 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

**Dräger MP-H Com**

Very versatile helmet unit with gooseneck microphone, especially well suited for rescue operations. Fast, simple adaptation to a wide variety of helmets thanks to the many adaptation options.

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

**TECHNICAL DATA Control Units****Dräger Com-Control 400**

Control unit with extra large and sturdy push-to-talk switch; protected against unintentional activation. For combination with all the communication units above and with individual radio device connectors. For chemical protection suits, also available with raised switch.

Weight:	120 g
Size:	76 x 17 mm
Cable:	PUR, flame-resistant: Ø 4 mm, length depending on application
Connector:	Radio-device-specific connector, 4-pole input jack
Splash protection:	IP55

**Dräger Com-Control 500**

Innovative and sturdy control unit with integrated speaker and microphone for use only with the radio device. 2 large push-to-talk switches for alternative combination with all the above units.

Optional functions, e.g. emergency call switch or speaker volume control, available depending on radio device.

Weight:	200 g
Size:	110 x 65 x 25 mm
Cable:	PUR, flame-resistant: Ø 4 mm, length depending on the application
Connector:	Radio-device-specific connector, 4-pole input jack
Splash protection:	IP67 with closed connector cap

**Dräger Com-Control Riot-Com / Rifle-Com**

For police forces and special units, e.g. for combination with a shield (Riot-Com) or a rifle (Rifle-Com). Also equipped with a programmable switch unit for optional functions.

Weight:	240 g
Cable:	Length depending on application
Connector:	PUR, flame-resistant, radio-device-specific connector, 4-pole input jack



Dräger E-Com



Dräger MP-H Com



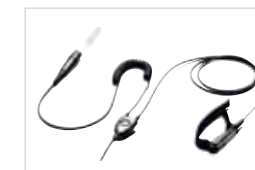
Dräger Com-Control 400



Dräger Com-Control 400 sensitiv



Dräger Com-Control 500



Dräger Com-Control Riot-Com



Dräger Com-Control Rifle-Com

## ORDER INFORMATION

### Communication systems (devices above)

Dräger HC-1 Com	(spiral cable)	short microphone arm	R 35 040
		long microphone arm (with ATEX-approval)	R 35 059
Dräger HC-2 Com	(spiral cable)	short microphone arm	R 35 041
		long microphone arm (with ATEX-approval)	R 35 061
Dräger HC-E Com	(spiral cable)	short microphone arm	R 35 042
		long microphone arm (with ATEX-approval)	R 35 062
Dräger TMS-Com/C1	(spiral cable)		R 35 026
Dräger MP-Com/H	(spiral cable)		R 35 036
Dräger MS-Com/C1.3	(spiral cable)		R 35 025
Dräger MS-Com/FP C1.3	(spiral cable)		R 35 024
Dräger MS-Com boom	(spiral cable)		R 29 361
Dräger MS-Com boom	(straight flash-over proof cable)		R 29 360

### MS-Com accessories (for MS-Com boom only the mounting clip)

Cap Panorama Nova RA		R 55 088
Cap Panorama Nova P		R 55 086
Cap Panorama Nova PE		R 55 087
Cap f2 RA		R 55 098
Cap f2 P		R 55 096
Cap f2 PE		R 55 097
Holder Panorama Nova		R 35 063
Holder f2		R 35 029

### Control Units

Dräger Com-Control 400	on request
Dräger Com-Control 500	on request
Dräger Rifle-Com	on request
Dräger Riot-Com	on request

(For order data not shown above, please consult separate price list.)

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