

CT-ClipCom

Technical specifications

CT-ClipCom Boommike in ATEX



CT-ClipCom Boommike in ATEX with standard earplug

Frequency [Hz]	125	250	500	1000	2000	4000	8000
Average [dB]	26.3	28.0	28.9	26.4	30.5	27.8	29.7
Standard deviation [dB]	7.0	6.9	8.8	5.7	4.1	8.1	7.7
APV [dB]	19.3	21.1	20.1	20.7	26.4	19.7	22.0
	SNR value	H value	M value	L value			
	23 dB	22 dB	21 dB	21 dB			

Sound absorption value according to EN 352-2/EN 24869-1 (sound absorption value for individual earpiece and PPE approval will follow shortly)



Technical specifications

For CT-ClipCom Boom mike in ATEX

Certification

ATEX:	In accordance with directive 94/9/EC
Protection level:	II 2 G Ex ib IIC T4
PPE:	Approval as hearing protection (PPE) according to directive EN 89/686/EEC
EMC:	In accordance with directive 2004/108/EC
EU directive on noise:	Fulfils the conditions of the EU directive regarding noise protection in the workplace

General

In-ear communication system, independent of helmet, for optimal noise suppression and clear understanding. Wearable in both ears; with modern Flexboom; lightweight, robust, inherently stable and anti-bounce

Earpiece plug-in system:	The electronics clip into the individually molded earpiece quickly, easily and tightly
Individually molded earpiece:	Available in different sizes or can be individually fitted; made of special skin-friendly silicon for a perfect fit and great comfort

CT-ClipCom Boom mike

Microphone:	Electret near-field response microphones; noise-cancelling; waterproof
Earpiece impedance:	273 Ohm at 1 kHz
Microphone sensitivity:	an optimal radio-specific customization is carried out
Audio level at 1 kHz:	106 dB (+/- 2 dB) SPL, distortion factor < 1 %
Max. ambient noise:	115 dB(A)
Weight including earpiece size 3:	Approx. 16 gr (with 700 mm cable)

General data

Color:	Beige/Black
Cable length/type CT-ClipCom to PTT:	Approx. 700 mm/PUR cable; smooth, black with Kevlar threads; particularly tear resistant
Cable length/type PTT to radio:	Approx. 500 mm/PUR cable; smooth, black
Supply voltage:	3V to 10V through radio
Electricity use:	Only ClipCom: < 1 mA
Connector:	Radio-specific
Operating temperature:	-20°C to +70°C
Storage temperature:	-20°C to +70°C
Drop test according to PPE certification:	5 x from 1.8 m high onto steel plates
Flammability according to EN 13819-1:	Passed



CT-ClipCom Earmike in ATEX



CT-ClipCom Earmike in ATEX with standard earplug

Frequency [Hz]	125	250	500	1000	2000	4000	8000
Average [dB]	26.3	28.0	28.9	26.4	30.5	27.8	29.7
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	SNR value	H value	M value	L value			
	23 dB	22 dB	21 dB	21 dB			

Sound absorption value according to EN 352-2/EN 24869-1 (sound absorption value for individual earpiece will follow shortly)



Technical specifications

for CT-ClipCom Earmike in ATEX

Certification

ATEX:	In accordance with directive 94/9/EC
Protection level and EU standards:	II 2 G Ex ib IIC T4
PPE:	Approval as hearing protection (PPE) according to directive EN 89/686/EEC
EMC:	In accordance with directive 2004/108/EC
EU directive regarding noise:	Fulfils the conditions of the EU directive regarding noise protection in the workplace

General

	In-ear communication system independent of helmet for optimal noise suppression and clear understanding
Earpiece plug-in system:	The headset clips into the individually molded earpiece quickly, easily and tightly
Individually molded earpiece:	Available in different sizes, left or right, or can be individually fitted; made of special skin-friendly silicon for a perfect fit and great comfort

CT-ClipCom Earmike

Microphone:	In-ear microphone, wearable on both the left and the right
Impedance:	270 Ohm at 1 kHz
Audio level at 1 kHz:	106 dB (+1 -2 dB) SPL, distortion factor < 1 %
Max. ambient noise:	110 dB(A)
Weight including earpiece size 3:	Approx. 13 gr (with 700 mm cable)

General data

Color:	Beige/Black
Cable length/type CT-ClipCom to PTT:	Approx. 700 mm/PUR cable; smooth, black with Kevlar threads; particularly tear resistant
Cable length/type PTT to radio:	Approx. 500 mm/PUR cable; smooth, black
Supply voltage:	3V to 10V through radio
Electricity consumption:	Only ClipCom: < 1 mA
Connector:	Radio-specific
Operating temperature:	-20°C to +70°C
Storage temperature:	-20°C to +70°C
Drop test according to PPE certification:	5 x from 1.8 m high onto steel plates
Flammability according to EN 13819-1:	Passed



CT-ClipCom Earmike and CT-ClipCom Boommike

Technical specifications

For CT-ClipCom Earmike/CT-ClipCom Boommike

PPE:	Approval as hearing protection (PPE) according to directive EN 89/686/EEC
EMV:	In accordance with directive 2004/108/EC
EU directive regarding noise:	Fulfils the conditions of the EU directive regarding noise protection in the workplace

General

Type: In-ear communication system independent of helmet with DSP technology for optimal noise suppression and clear understanding

Earpiece plug-in system:	The electronics clip into the individually molded earpiece quickly, easily and tightly
Individually molded earpiece:	Available in different sizes, or can be individually fitted; made of special skin-friendly silicon for a perfect fit and great comfort

CT-ClipCom Earmike

Microphone:	In-ear microphone, wearable on both the left and the right
Impedance:	270 Ohm at 1 kHz
Audio level at 1 kHz:	106 dB (+1-2 dB) SPL, distortion factor < 1 %
Max. ambient noise:	110 dB(A)
Weight including earpiece size 3:	Approx. 13gr (with 700 mm cable)

CT-ClipCom Boommike

Microphone:	Electret near-field response microphones; noise-cancelling; waterproof
Earpiece impedance:	273 Ohm at 1 kHz
Microphone sensitivity:	-58 dB(+/-4 dB) re. 1V/0,1 Pa
Audio level at 1 kHz:	106 dB (+/-2 dB) SPL, distortion factor < 1 %
Max. ambient noise:	115 dB(A)
Weight including earpiece size 3:	Approx. 16gr (with 700 mm cable)

General data

Color:	Beige/Black
Cable length/type CT-ClipCom to PTT:	Approx. 700 mm/PUR cable; smooth, black with Kevlar threads; particularly tear resistant
Cable length/type PTT to radio:	Approx. 500 mm/PUR cable; smooth, black
Supply voltage:	3V to 10V through radio
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Operating temperature:	-20°C to +70°C
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EU directive regarding noise:	Fulfils the conditions of the EU directive regarding noise protection in the workplace
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CT-ClipCom Earmike with standard earplug

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