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EAR MICROPHONES

MILITARY • LAW ENFORCEMENT • BIO/CHEM SUITS
FIRE DEPARTMENTS • UNDERCOVER OR SURVEILLANCE • INDUSTRIAL



PRODUCT DESCRIPTION

EM-200 EAR MIC TRANSDUCER

Designed in response to specific requests from law enforcement and military personnel, the Telex EM-200 provides the discreet, reliable communication that is critical when lives are on the line.

Transmission and reception are accomplished through a small transducer mounted in the ear. The vibrations emitted through the ear canal during speech are amplified, transmitted over a standard portable radio, and clearly broadcast through the transducer directly into the ear. The advantage is only one wire is used for both transmitted and received audio. The standard EM-200 includes an interface box with belt clip, PTT switch, transducer cable and transducer. The EM-200 is also equipped with a jack to support optional remote PTT switch devices. Radio interface cables sold separately.



EM-300 EAR MICROPHONE

Our smallest Ear-Mike yet, the EM-300 delivers the performance you expect from Telex, in a size that may surprise you. The easy-to-conceal unit is a discreet 1 1/2" long, 1" wide and 1/2" thick. But it holds all the power you need for covert communications. The EM-300 features an exclusive "signal shaping" circuit, which reverses loss in intelligence caused by digitally encrypted signals. And because it derives power from the portable radio, no batteries are required. Using a special miniature transducer, the EM-300 functions as both a microphone and an earphone. This transducer converts minute voice vibrations, present in the ear canal during speech, into signals suitable for radio transmission. At the same time, the transducer functions as an earphone for radio reception. You can actually listen and talk through your ear. The EM-300 may be purchased with a palm, ring, or Velcro Push To Talk switch, and includes a radio interface module with a permanently attached connector for a specific radio type (please check for availability). An earpiece cord with 90° right angle plug, transducer and NA kit are also included. Optional PTT switches must be purchased separately.



FIRE DEPARTMENTS

BIO/CHEM

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SPECIFICATIONS

EM - 200

H/NORMAL Switch	12dB level change
Rx Input Impedance	110 Ohm to 5 KOhm nominal
Tx Output Impedance	70 Ohm to 1.5 KOhm, depending on output level
Output Level	200 to 20 mV (or 1 mV to 270 mV internally selected)
Amplifier Frequency Response	350 Hz to 15 kHz +0/-3 dB
Battery	1.5 volt, AA-size
Battery Current	Less than 2.5 mA with PTT switch pressed, otherwise zero
Dimensions	3.1 x 2.2 x 1.0 inches (79 x 56 x 25 mm)

ORDERING INFORMATION

400001013	EM-200
400001017	EM-200 for MRK
400001016	EM-200 with Military Cord

EM-200 ACCESSORIES

400023001	Remote PTT Ring Switch
400024001	Remote PTT Velcro Strap Switch
800036007	Remote PTT Barrel Switch with Cover
400055000	Remote PTT Foot Switch

EM - 300

Output Voltage	4 to 20 VDC
Output Level	0.1 mV to 40 mV
Frequency Response	Shaped for best intelligibility
Current Drain	1.0 mA @ 5 VDC 700µA @ 4 VDC typical 400µA @ 1.5 VDC, minimum required
Microphone Mode (Power supplied to interface via microphone)	
Audio Line	440 µA with PTT switch pressed; otherwise zero
Weight	25 grams

EM-300 ACCESSORIES

400023006	Remote PTT Ring Switch
400024005	Remote PTT Velcro Strap Switch
800036000	Remote PTT Palm Switch
800036008	Remote PTT Barrel Switch with Cover

Specifications subject to change without notice



EM-200
Ear-Mic Transducer System



EM-300
Ear-Mic

TELEX[®]

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