



**PROGRAMMABLE
UHF 2-WAY
RADIO HEADSET
430-470 MHz**



The Sound Solution

www.peltor.com

8001 Woodland Drive
Indianapolis IN 46278

**INCREASE PRODUCTIVITY
AND IMPROVE SAFETY
WITH THE SMARTER WAY
IN TWO-WAY.**

37154 307



**POWERCOM PLUS™ II
PROFESSIONAL SERIES**

PELTOR® POWERCOM PLUS™ II PROFESSIONAL SERIES UHF TWO-WAY RADIO HEADSET.

EXCLUSIVE ALL-IN-ONE
COMMUNICATION
NO MORE WIRES OR
EXPENSIVE BELT RADIOS



CHECK OUT THESE ADVANTAGES:

- Compatible with existing in plant UHF 2-way radio systems
- Custom programmable to user specifications
- Earcup microphones pick-up warning signals and prevent “wearer isolation”
- Removable and rechargeable battery pack included or uses 2 “AA” batteries
- Noise canceling boom microphone
- Programmable hands-free voice activated PTT
- Attenuation test data conform to OSHA requirements
- **MUST BE PROGRAMMED. Some frequencies require FCC or Industry Canada license.**

Stop complicating communications. Simplify them with the PowerCom Plus II Radio Headset from Peltor.

For more information on the smarter way in two-way visit www.powercomplusoffer.com, call 1-800-225-9038 or e-mail peltor_communications@aearo.com



OCTAVE BAND ATTENUATION DATA (dB) - ANSI S3.19 TEST DATA

Model	NRR	CSA Class:	Freq	125	250	500	1000	2000	3150	4000	6300	8000
MT53H7A4720 Headband model	25 dB	B	Mean	18.6	23.6	31.8	36.6	31.2	36.4	39.5	38.3	39.0
			sd	4.3	3.1	2.8	2.2	2.4	3.6	2.7	3.6	2.6
MT53H7B4720 Neckband model	25 dB	A	Mean	19.1	22.3	31.7	34.7	33.5	37.9	40.8	38.8	40.4
			sd	2.6	2.3	2.7	2.4	2.9	2.5	3.1	2.5	2.9
MT53H7P3E4720 Hardhat mount model	24 dB	A	Mean	18.1	21.7	31.5	35.5	30.7	36.8	39.7	38.6	39.0
			sd	3.1	2.9	2.8	2.7	2.7	2.7	2.5	2.1	2.8

ACCESSORIES

FL6CS	Cell phone cable, 2.5 mm mini stereo plug
FL6CT	Receive only patch cord for entertainment devices, 3.5mm stereo plug
TK56	Remote ring finger Push-to-talk button, 48" straight cable (shown below)
M995	Boom microphone wind sock
FL5503	Remote lapel PTT, 12" straight cable
MT90-01	Throat microphone

SPECIFICATIONS

GENERAL SPECIFICATIONS	UHF
Channel Capacity	30 Channels
Weight (Without Batteries)	14 oz/400 g
Battery life LOW power @ 5/5/90 duty cycle using 2 standard high capacity AA batteries	36 hours
Battery life HI power @ 5/5/90 duty cycle using 2 standard high capacity AA batteries	30 hours
FCC description	To Be Determined
IC description	To Be Determined
Approvals/ratings	Intrinsically Safe **

TRANSMITTER SPECIFICATION	UHF
Frequency range	430-470 MHz
Channel Spacing	12.5/25 kHz
Coded Squelch Settings	83 Digital, 38 analogue
Channel raster	6.25/12.5/25 kHz
Freq stability	+/- 2ppm
Power	10 mW/20 mW/200 mW
Modulation Limiting 12.5 kHz	+/- 2.5 kHz
Modulation Limiting 25 kHz	+/- 5 kHz
FM Hum & Noise 12.5 kHz	-34 dB
FM Hum & Noise 25 kHz	-40 dB
Radiated emissions <1 GHz	< 0.25 uW
Radiated emissions, 1-4 GHz	< 1 uW
Adjacent channel power, 12.5 kHz	-60 dBc
Adjacent channel power, 25 kHz	-70 dBc
Audio response 300-3000 Hz	+/- 2 dB
Audio Distortion	3%
FM Modulation	16K0F3E, 8K50F3E

RECEIVER SPECIFICATION	UHF
Frequency range	430-470 MHz
Channel Spacing	12.5/25 kHz
Coded Squelch Settings	83 Digital, 38 analogue
Channel raster	6.25/12.5/25 kHz
Freq stability	+/- 1ppm
Sensitivity (12 dB SINAD)	-122 dBm typical
Intermodulation	70 dB
Adjacent channel selectivity 12.5 kHz	60 dB
Adjacent channel selectivity 25 kHz	70 dB
Spurious rejection	70 dB
Rated audio	10 mW
Audio distortion	3%
Hum and noise 12.5 kHz	-35 dB
Hum and noise 25 kHz	-35 dB
Radiated spurious emission <1 GHz	< 2 nW
Radiated spurious emission 1-4 GHz	< 20 nW

**Factory Mutual (FM) Class I Groups C & D; Class II, Groups, E, F & G; Class III, Canadian Standards Association (CSA) Class I Groups A, B, C & D; Class II, Group G; Class II