

AT-216 Digitally Synthesized

Wireless Auditory Assistance Kit



Comtek introduces the first extended fidelity F.M. system to bring out speech clarity like never before. In order to take advantage of new digital hearing aid technology, Comtek has designed a new generation of personal F.M. systems that enhances today's new high performance hearing aids. To do this, Comtek has incorporated noise reduction circuitry to increase speech clarity of the F.M. signal (when operating on the narrow band, high fidelity channels 41-60). A higher signal-to-noise ratio plus a higher frequency response of the F.M. signal work together to maximize the performance of hearing aids, cochlear implants, or earphones.

With Comtek's 30 years of experience, we are ready to meet the challenges of today's complex hearing assistance needs. All Comtek products are still made in the U.S.A. to assure you the reliability and support will be there whenever you need it!

COMTEK®

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AT-216 System Specifications



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New Rugged Enclosure with Snap-On Clip

Option 1



M-216 transmitter with separate voice muting switch allowing auxiliary input program to remain on.

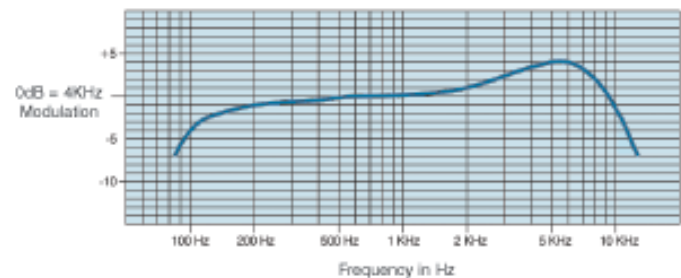
Option 2



PR-216 receiver with built-in "EnviroMic" microphone which enhances speech discrimination when both environmental sounds and the speaker's voice from the transmitter must be heard.

Frequency Response:	80 Hz to 10 kHz
Harmonic Distortion:	Less than 1% at 50% modulation
Signal-to-noise Ratio:	Better than 80 dB A-weighted with narrow band Hi-Fi companded Ch. 41-60
Receiver Audio Output:	4 volts RMS into 50 ohms
Modulation System:	F.M. adaptive deviation with channel selection. 10 kHz companded Ch. 41-60 5 kHz standard Ch. 1-40
Operating Radio Frequency:	57 synthesized channels in the 216-217 MHz LPRS band
System Operating Range:	200 feet typical, 500 feet under favorable conditions
Battery Life:	Up to 40 hours with 9 volt alkaline, 10 hours with rechargeable Ni-MH batteries
Size and Weight: M-216 and PR-216	1 1/16" x 2 1/2" x 3 3/4" (27 mm x 57 mm x 83 mm) 4 ounces (110 grams)
Construction:	Multiple interfaced glass-epoxy P.C. boards, shock-mounted for impact resistant use in a thick-wall Cylcoloy® enclosure with aluminum front panel
F.C.C. Compliance:	Complies with Part 95 and Part 15 of F.C.C. rules

Frequency Response Curve
AT-216 System



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