



DANR THP & THPC

Digital Active Noise Reduction Triple Hearing Protector and Communications Headset

Superior Hearing Protection, Optimal Performance

A top-of-the-line product offering that features triple hearing protection or combined hearing protection and communications in extreme noise environments. The Aegisound DANR THP and THPC provide two passive layers of hearing protection with the addition of digital active noise reduction. The DANR THPC Headset includes communications capabilities through the addition of a digital noise canceling microphone with a muzzle and attachment to a user's radio or intercom.



KEY FEATURES

Maximum Noise Attenuation

Provides broadband active attenuation in addition to the two levels of passive attenuation provided by the custom earplugs and headset.

Optimal Communication

Superior digital noise canceling microphone technology enables two-way digital communications in noise fields up to 140 dB(A), with greater than 70% speech intelligibility (ANSI S3.2).

Innovative Design

Provides superior active noise reduction over a broad frequency range through patented DANR technology.

Maximum Compatibility

The DANR THP hearing protector and THPC headset are compatible with:

- Gentex APC-2G Helmet System
- HGU-25/P Series Legacy Cranial
- The DANR THPC can be connected to a variety of available radios/intercoms

Contact Gentex for information concerning your particular communication system.

Compliance

- Compliant with sections of MIL-STD 810F, MIL-STD-461E, MIL-STD-494, etc.
- Certified to EMC Directive 2004/108/EC
- Compliant with EN 353-2:2002 and EN 352-1:2002

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Contact Us

Aegisound is dedicated to developing fully integrated products that significantly improve hearing protection and communications for personnel operating in continuous, extreme noise environments, such as those found in the oil and gas, construction, military, heavy industrial, mining, metalworking, chemical and aerospace industries. For more information about Aegisound DANR products, please contact Gentex at sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at [facebook.com/Gentexcorp](https://www.facebook.com/Gentexcorp) or follow us on Twitter @Gentex_Corp.

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DANR THP & THPC

KEY FEATURES CONTINUED

NRR Rating Information and Test Data per ANSI Standards

Noise Reduction Rating	32 Decibels (When used as directed)
THE RANGE OF NOISE REDUCTION RATINGS FOR EXISTING HEARING PROTECTORS IS APPROXIMATELY 0 TO 30 (HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS)	
Aegisound Christiansburg, Virginia	DANR THP and THPC Passive Protection Only
Federal law prohibits removal of this label prior to purchase	 LABEL REQUIRED BY U.S. E.P.A. REGULATION 40 CFR PART 211, SUBPART B

ANSI Passive (NRR 32)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation in dB	38.4	39.0	42.9	42.0	42.7	49.7	49.6	48.3	48.9
Standard Deviation in dB	6.7	5.5	5.8	4.0	4.7	4.5	4.1	4.7	3.4
Mean-2SD dB	25.1	28.0	31.3	33.9	33.3	40.6	41.5	38.9	42.0

Test data collected per ANSI S3.19-1974 (Active Noise Reduction turned off) for the DANR THP and DANR THPC

ANSI Active and Passive* (Equivalent NRR = 37)

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation in dB	38.3	48.5	56.8	54.7	45.0	50.0	39.5
Standard Deviation in dB	4.2	4.9	5.2	4.7	3.4	4.3	2.6
Mean-2SD dB	29.8	38.7	46.4	45.3	38.2	41.4	34.3

Active Noise Reduction tested at 140 dB(A) in accordance with ANSI S12.42.

Total Attenuation (Passive + Active), ANSI S12.6 for passive, combined with ANSI S12.42 (MIRE) for active.

*Current ANSI Standards and testing do not specifically accommodate Active Noise Reduction (ANR) earplugs. The Active and Passive performance reported above has been evaluated to ANSI S12.6 and ANSI S12.42 testing methodologies. Active Noise Reduction measured at 140 dB(A) in accordance with ANSI S12.42 was combined with the ANSI S12.6 passive attenuation data in accordance with ANSI S12.68. See user's manuals for more rating details.

DANR Custom Earplugs

DANR custom earplugs are required for both the THP and THPC headsets. The earplugs connect into the headset to provide broad-band active attenuation.

Ear Impressions for DANR Custom Fit Earplugs

Ear impressions are required for custom fit earplug products. Your local audiologist or hearing aid dispenser can provide these to you for shipment to Gentex. Gentex has specific requirements to assure the best performance from our products. Our ear impression requirements can be downloaded from our website.



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