

TrueAwareness™ Pedigree

TrueAwareness™ is the second generation of a non linear hearing protection development project for the US military. The initial goal was to have impulse noise protection combined with an ambient noise reduction rating of 10 or less (to preserve situational awareness). TrueAwareness™ provides the impulse noise protection AND provides an ambient noise reduction of only 5, twice as good as the military's requirement!

TrueAwareness™ Basics

- Wear like normal ear plugs
- No moving parts - no caps or hinges
- No batteries
- Sizes available - S, M, L, XL
- Storage canister included
- Lanyard included
- 25 dB impulse noise protection
- 5 dB ambient noise reduction
- Maintains situational awareness
- US & international patents pending



Situational Awareness

Sound localization

Sound localization is a listener's ability to pinpoint the origin of a sound in both direction and distance. Typical hearing protection interferes with localization.

The human auditory system uses several cues for sound source localization, including time difference and sound level difference between the ears. Unfortunately, most ear plugs, ear muffs and even electronic, hear-through systems, disrupt the human sound localization system. They can even disrupt being able to differentiate a sound origin in front or in back!

Disrupted sound localization cancels situational awareness. Soldiers, policemen and hunters cannot sacrifice situational awareness for hearing protection.

Hearing protection is good unless it gets you killed.

Ear plugs, ear muffs, and even electronic hear-through protection degrade the wearer's awareness. Standard ear plugs can offer good protection but they prevent being able to hear normal conversations and other desirable sounds. There are non-linear ear plugs that allow a certain amount of awareness but they still reduce most of the desirable sound. Electronic hearing protection reduces the natural ability of ears and brain to localize sound.

TrueAwareness™ protects against impulse sound, for example from gunshots, while still allowing the user to hear normal conversation and localize the source of the sound.

The logo consists of a stylized ear profile on the left, followed by three curved lines representing sound waves. To the right of these elements is a dark, rounded rectangular box containing the text "TrueAwareness" in a light-colored font.

You might need more hearing protection from time to time but you need TrueAwareness™ all the time...

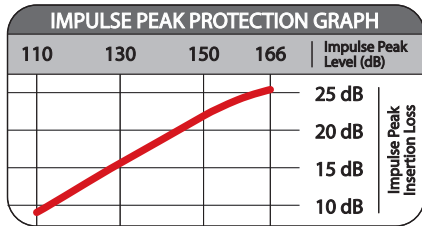
Best in Class!
Non Linear Hearing Protection

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Technical Data

TrueAwareness™ has been tested in accordance with national and international standards.



Noise Reduction Rating **5** **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)

FIELD FORENSICS, INC
ST. PETERSBURG, FLORIDA

TRUEAWARENESS™

Federal law prohibits removal of this label prior to purchase

EPA LABEL REQUIRED BY U.S. EPA REGULATION 40 CFR Part 211, Subpart B.

The level of noise entering a person's ear, when hearing protection is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the Noise Reduction Rating (NRR). CAUTION: For noise environments dominated by frequencies below 500 Hz the C-weighted environmental noise level should be used. The NRR is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. For an indication of the protection attainable against impulse noise, see the Impulse Insertion Peak Loss (IPIIL) data.

CERTIFICATION DATA							NRR = 5 dB		
F (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
MA (dB)	2.0	1.2	7.6	17.4	26.2	28.0	24.5	22.2	25.4
SD (dB)	3.4	3.4	2.0	2.9	4.0	4.5	4.4	3.6	4.1
APV (dB)	0.0	0.0	3.6	11.6	18.2	-	17.4	-	16.1

IPIIL DATA			
IPL (dB)	130	150	166
IPIIL (dB)	15.6	21.9	25.4

F = Frequency
MA = Mean Attenuation
SD = Standard Deviation
APV = Assumed Protection Value
IPL = Impulse Peak Level
IPIIL = Impulse Peak Insertion Loss

TrueAwareness™

Hearing protection for soldiers, hunters, police and others who need as much situational awareness as possible with protection from impulse noise.

Comfortable

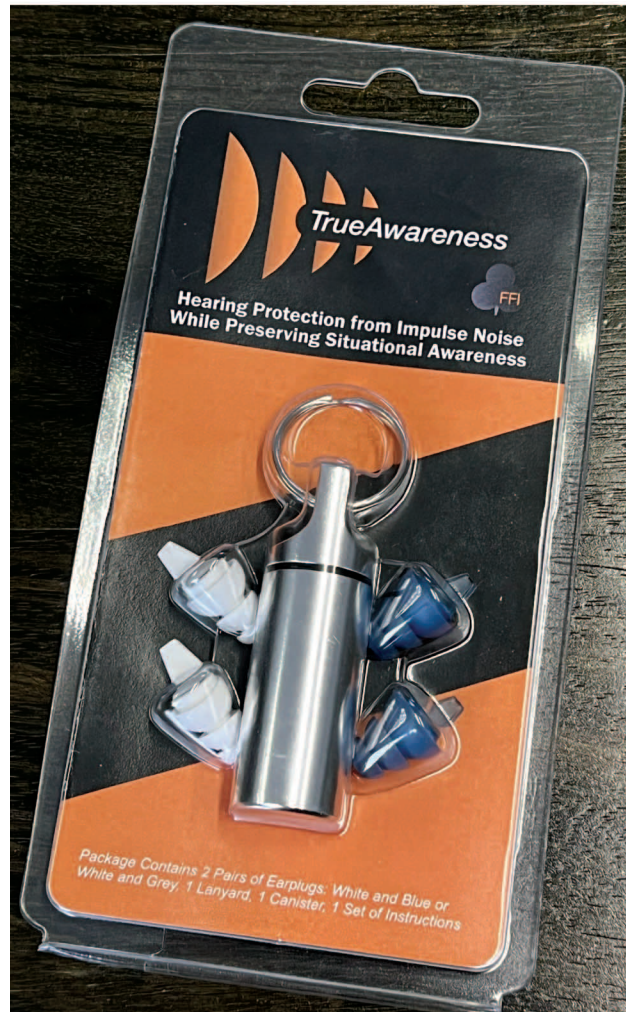
Easy to wear all day and compatible with other noise protection, like ear muffs. Tips come in sizes S, M, L, and XL. (M & L work for 80% of the population.)

Government Tested

TrueAwareness™ provided superior localization compared to other available devices in a study conducted by the U.S. Air Force Research Laboratory.

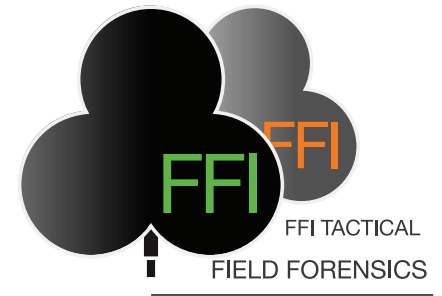
Certified

TrueAwareness™ has been certified to U.S. Government and international standards and is manufactured in a facility conforming to ISO 9001:2015



About Field Forensics

Field Forensics, Inc. (FFI) is a State of Florida corporation, established in 2001 and headquartered in Saint Petersburg, Florida. FFI is a developer of explosives detection kits and narcotics identification kits. FFI TACTICAL is a division of FFI offering equipment primarily to bomb squads and military EOD teams as well as commercial security blast protection.



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