



THE BLAST GAUGE SYSTEM





IMPROVE TACTICS, TECHNIQUES, AND PROCEDURES

Minimize exposures and preserve performance

GUIDE TRIAGE

Securely interrogate wirelessly or via button push, aiding quick decision making

BLAST EXPOSURE TO AID IN TREATMENT

Blast overpressure, acceleration, and body loading data for detailed event analysis

WIRELESS

Optional wireless connectivity to a PC or iOS/Android handheld to download blast information to user-friendly app

RELIABLE BATTERY

Non-rechargeable battery designed for military extremes, lasts a full deployment and minimizes logistics

ROBUST

Fully encapsulated design withstands weather and blast

FLEXIBLE MOUNTING

Easily attaches to helmets, gear, structures, and vehicles

SECURE

Operator privacy protected

BATTLE-TESTED

Fielded by the U.S. Military





KNOW YOUR SAFE DISTANCE

• Ensure appropriate Minimum Safe Distance for your stack

MEASURE FLASHBANG SHOCKWAVES

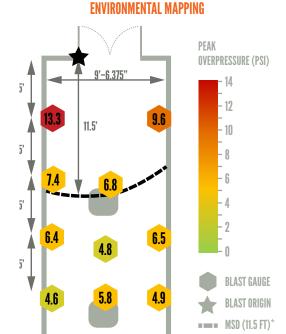
 Deploy flashbangs with confidence by knowing overpressure levels based on size and configuration of room

MAP YOUR ENVIRONMENT

 Locate the best places to stand in a room during an explosive breach and entry

MONITOR REPETITIVE EXPOSURE FROM WEAPONS

 Track overpressure exposure from artillery, mortar, shoulder fired weapons, and small arms fire on operators



Ostertag, M. H., Kenyon, M., Borkholder, D. A., Lee, G., Silva, U. D., & Kamimori, G. (2013). The Blast Gauge™ System as a Research Tool to Quantify Blast Overpressure in Complex Environments. *Volume 3A: Biomedical and Biotechnology Engineering.* doi:10.1115

*The standard K-equation MSD calculation stated 11.5ft as a safe distance, yet using the Blast Gauge to map the room shows actual exposure levels at this distance are above the 4.0psi standard for breaching.



TRIAGE WIRELESSLY OR WITH A BUTTON PUSH

• Instantly assist the trauma team in guiding triage with objective blast exposure data

MAINTAIN YOUR UNIT'S PEAK PERFORMANCE

• Track personnel to identify those at-risk and proactively manage the level of exposure and subsequent wellness



REDUCE PROPERTY DAMAGE CLAIMS

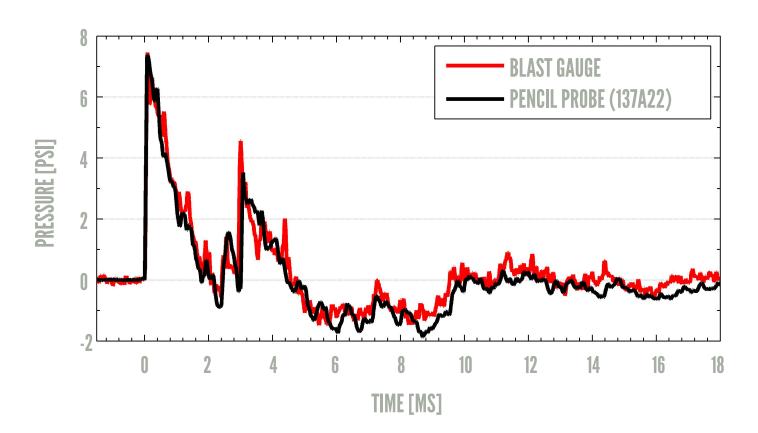
 Monitor a breach or controlled destination in a civilian locale to ensure it didn't cause shockwave damage

PROTECT YOUR OPERATORS

- Reduce exposures to mitigate long-term implications of the occupation
- Ensure operators get evaluated for the long-term care they deserve with objective measures documenting occupational exposure



INEXPENSIVE AND EASY-TO-USE TOOL anyone can use for research into vulnerability, survivability, and lethality related to explosives, protective materials, vehicles, and weapon systems



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