

ULTIMATE BLAST DATA

Captures overpressure data with the precision of laboratory grade sensors.

BLAST GAUGE[®] SYSTEM

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The Blast Gauge® System

The Blast Gauge® System is the best tool for understanding and mitigating the long-term effects of blast overpressure exposure. The set of three wearable overpressure sensors captures blast exposure in an easy-to-use and near-autonomous system.

Research suggests that repetitive exposure to blast overpressure, even at low levels, can cause concussion-like symptoms and long-term neurodegenerative disease, including:

- Structural changes in the brain
- Increased PTSD
- Acceleration of age-associated neurological disorders
- Persistent concussion symptoms



The Blast Gauge® allows you to:

TRIAGE: Identify individuals exposed to dangerous levels of overpressure, allowing for targeted medical assessment.

TACTICS: Refine and reinforce the tactics, techniques, procedures (TTPs) based on individual and unit exposures.

TRACE: Correlate the exposure history of individuals to their emergent symptoms.

TRACK: Enroll personnel in a longitudinal health surveillance program.



Mobile Connectivity: The Blast Gauge System App (BGSA) for Android™ and the Android Team Awareness Kit (ATAK) allows for near real-time data analysis and download with Bluetooth 4.1.

Specifications

PART NUMBER / NSN

BB-1700K-01 / 6665-01-665-8243

LONG-LASTING BATTERY

Single discharge battery lasts 3+ years in training or 1+ year in combat

DIMENSIONS

1.75" L x 1.25" W x 1" H
(44 x 32 x 25 mm)

TOTAL SYSTEM WEIGHT

<5 oz (142 g)

DURABILITY

MIL-STD-810G relevant elements certification

EXPORT CLASSIFICATION

EAR-99 (not subject to ITAR)

STORAGE

500+ full waveform events or more than 6,000 summary data events

SECURITY

Low-signature Interrogated Wireless™ Bluetooth

SHELF LIFE

5 years (at room temperature)



in collaboration with



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