

THE BLAST GAUGE™ SYSTEM

CAPTURES CRITICAL DATA FOR OPERATIONS, TRAINING, AND RESEARCH

KEY FEATURES

Triage Capable

Lights activated via recessed button

Exposure Tailored Treatment

Data transferred to PC for detailed event analysis

Durable

Fully encapsulated design withstands weather and impact

Automated

Blast overpressure and acceleration automatically collected and classified

Reprogrammable

Load latest software at time of activation

Small

Less than one cubic inch,
Less than one ounce

Flexible

Instantly mounts to helmet, gear, vehicles, structures, and canines

Inexpensive

Quickly outfit operators

Environment Mapping

Quantify blast propagation in complex environments

Traceable

Privacy protected

Multipurpose

Breaching, EOD, SOF, SWAT, Bomb Squad, Route Clearance, Training

Traumatic Brain Injury has been recognized as the signature injury of modern day conflicts. The Blast Gauge System provides an immediate solution to capture operator exposure to blasts; guiding triage and aiding in treatment to ensure readiness.

Small & Lightweight, the Blast Gauge has been designed for robust performance in the most extreme environmental conditions. The unique flexible mounting design permits tool-free attachment to any helmet strap, PALS webbing, or physical structure without interference.

LED Triage Lights are activated via an environmentally sealed recessed button, allowing instant recognition of exposure based on pre-set thresholds that define moderate and severe events. All data is date and time stamped and stored for later download via USB for off-line analysis by medical personnel.

Compatible with existing uniforms and equipment, the system can be immediately deployed to all operators and canines, who are at risk of exposure to explosive blasts.

Accurate measurement of overpressure waveforms, pressure impulse, and acceleration. Multiple units are worn by each operator to recreate a complete picture of blast exposure.

Tracking cumulative exposure for correlation to long-term effects via integrated database.

TACTICAL OPERATIONS



BLACKBOX®
BIOMETRICS

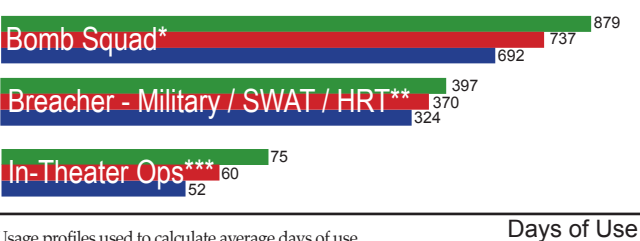
PERFORMANCE SPECIFICATIONS



FEATURES

- Size: < 1 cubic inch, < 1 ounce
- Records accurate acceleration with blast overpressure data
- Blast, dust, and water resistant
- Reliable false trigger rejection algorithms
- Time and date stamp for events
- Triage lights: color-based severity display via button press
- Data storage for 10 events
- Operator unique identifier loaded into device
- Hibernate mode for operator activation of replacement gauges
- Downloadable free software for activation and data recovery
- Disposable
- Shelf Life >5 years

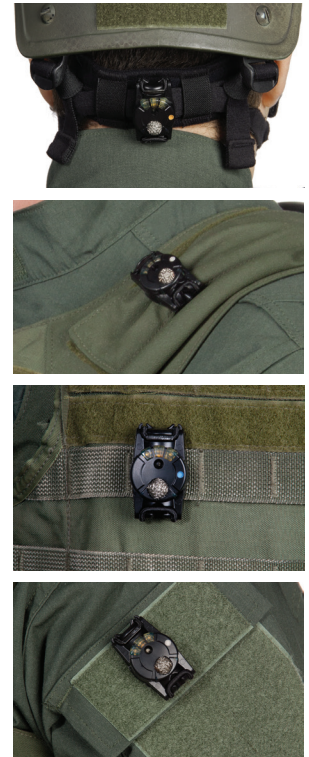
Blast Gauge Model	S1	S2	H1
Sensitivity	Standard	Standard	High
Overpressure Range	2.5 to 100 psi	2.5 to 100 psi	0.25 to 30 psi
Pressure Resolution	0.2 psi	0.2 psi	0.05 psi
Accelerometer	± 16g	± 200g	± 16g



Usage profiles used to calculate average days of use
 * 3 hrs range time per month; event response 6 hrs, 1 per 3 months; auto battery save mode; 25°C
 ** 24 hrs range time per month; event response 8 hrs, 1 per 2 months; auto battery save mode; 25°C
 *** 120 days hibernate; 20% operational tempo; 25°C

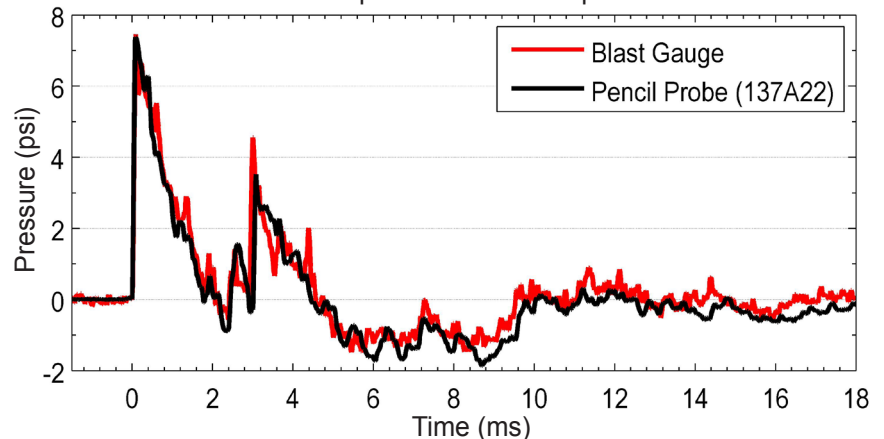
FLEXIBLE MOUNTING

Head, Shoulder, Chest



Optional velcro patch mounting

Accurate Capture of Blast Overpressure



ACCESSORIES

- BGK3 - Integrated CAC and Hub
- BGK6 - Discrete CAC and Hub
- BGK7 - Hub Kit



FOR MORE INFORMATION CONTACT:

BLACKBOX BIOMETRICS, INC.
 125 TECH PARK DRIVE
 ROCHESTER, NY 14623

WWW.BLASTGAUGE.COM
 585-329-3399
 BLASTGAUGE@B3INC.COM



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 S2 NSN - 6665-01-632-3508

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