

ULTIMATE BLAST DATA

Captures overpressure data with the precision of laboratory grade sensors.

BLAST GAUGE®
SYSTEM

ADG
AIRBOSS DEFENSE GROUP
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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 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, and persistent concussion symptoms.

Automated and Reprogrammable

Blast overpressure and acceleration data are automatically collected and characterized.



Hermetically sealed housing

Design allows for submersion at up to 15ft dive-depths without adverse effects.

Small and Flexible

Less than two cubic inches. Instantly mounts to helmets, gear, and vehicles.

Snag resistant

Flat sensor protector for greater robustness and reduced snag risk.

Exposure tailored treatment

Data is transferred wirelessly to a mobile app or via USB to a PC for detailed event analysis.



Next-Generation Mobile App

Cloud-based monitoring

Automatically syncs data across devices for large scale monitoring and data management.

Complete gauge management

Mobile app allows users to activate gauges, erase data, and perform updates.

Enhanced view

New user interface simplifies viewing and assessing data during training.

Specifications



PART NUMBER / NSN

BB-1750K-01 /
6665-01-665-8243 (kit of 3 gauges)
BB-1750A-01 (standalone gauge)

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
(48 x 23 x 36 mm)

TOTAL SYSTEM WEIGHT

<5 oz (142 g)

DURABILITY

MIL-STD-810H

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



2550 Auburn Court
Auburn Hills, MI 48326

info@adg.com
www.adg.com

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