MILES 2000

Manworn Torso and Helmet Detection System

The Manworn Torso and Helmet Detection System provides the detectors and electronics necessary to receive the MILES laser messages, process and display the results, and store and download them for use in After Action Reviews. The system consists of two parts, the torso unit which contains the system's electronics, detectors for the body and the helmet unit which is an array of four detectors, and the required electronics to pass any recorded messages to the torso unit where the messages are then processed.

The torso unit can be configured in several ways. Currently, the MILES 2000 torso unit is configured three ways. First, as an 'H" harness that can overlay any equipment that the participant wears. Secondly, as an integrated package in which all of the MILES 2000 components are mounted in an actual modified tactical vest, and thirdly as part of a Combat Training Center Instrumentation System where the data link and GPS is mounted along with the MILES 2000 components.

MILES 2000

FEATURES:

Data Processing and Control Unit (DPCU)

- Lethality Assessments: Near Miss; Hit, Not Killed; Killed
- **Audible Alerts:** Catastrophic or Cheat Kill-Continuous tone until SAT disabled (5 Sec. Min.)

  Hit or Near Miss-Two Tones
- Stores up to 500 Events
- Selectable Probability of Kill (P_k) Tables for Unprotected Individual or Individuals Wearing Body Armor
- Two programmable P_k Tables Provided
- Internal Real Time Clock Time Tags Events
- DPCU Designed for Single-Handed Use
- Status and Data Query Provided by LCD Display/Control Panel
- Flash Memory
- Enables Surrogate Weapons
- Records Surrogate Weapon Firing Events
- Player ID is Factory Programmed or Field Re-programmable
- BIT Performed in less than 5 Seconds
- Power Saving Modes Extend Battery Life
- Optical Interface to Controller Gun for Event Downloading
- Stored Event Data Processed by After Action Review Software
- GPS capable for upgraded AARs
- Interface to Data Link for Real Time Data Collection at Combat Training Centers

Torso/Helmet

- Eight Detectors on Harness and Four on Helmet. Provides 360° by ±45° Elevation Coverage
- Helmet to Torso Inductive Coupling Eliminates Wires
- Electronics Mounted on "H" Harness or Integrated into Customers Vest or Load Bearing Equipment