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**End Application:**

8470-01-560-3267; helmet, ground troops

**Product Name:**

Headborne energy analysis and diagnostic system (heads) helmet sensor

**Special Features:**

Helmet sensor is a small, lightweight, low-power sensor suite that mounts to the light weight helmet (lwh); helmet sensor will detect, measure and record impact (acceleration in three degrees of freedom) and blast overpressure associated with concussive events/ied blasts that marines may experience in operational enviroments; data is downloaded via a usb port to any computer

**General Description:**

Sensor internally mounts to top of lwh, sensor weighs approximately 1.23 ounces, designed to fit underneath crown pad of helmet; battery life between recharge cycles is approximately six months; battery recharged automatically when downloading data via micro usb cable; sensors dynamic acceleration capture range is: 1g to greater than, or equal to 5000g; sensor has continuous and automatic data connection (blast, ballistic, crash and blunt impact events) with indefinite data storage; sensor has an intergrated pressure sensor with plus 100 pounds per square inch absolute range to discriminate against non-significant impact events (dropped/thrown helmet); sensor can record in excess of 600 events; helmet sensor automatically re-arms following recorded event

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli