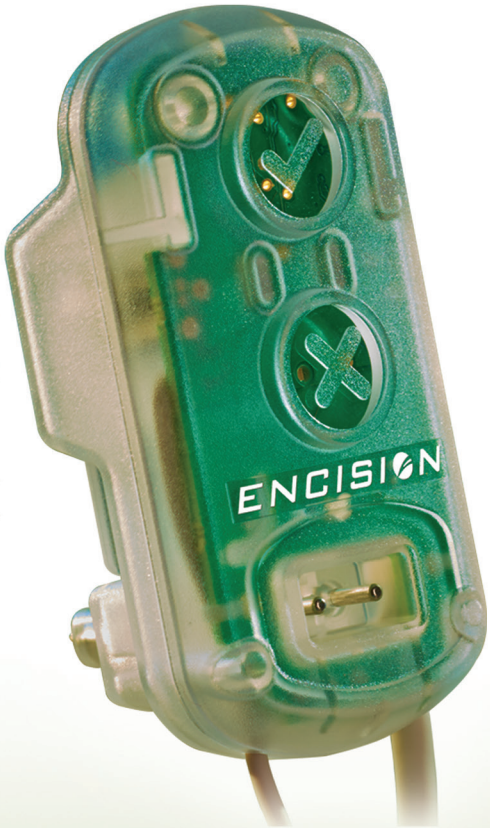
AEM ENDOSHIELD™

BURN PROTECTION SYSTEM



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At Encision®, we understand that patient safety, optimal clinical outcomes, and affordable high-quality products are all extremely important to our customers. Our solution—the AEM® Burn Protection System—provides high performance, laparoscopic AEM instruments that deliver exceptional value while guaranteeing patient safety from stray energy burns.

AEM EndoShield—the hub of the AEM Burn Protection System.

The AEM EndoShield utilizes advanced AEM monopolar energy to provide surgeons a safe energy choice for higher power settings. A convenient add-on that is compatible with widely used electrosurgical generators, in all modes, AEM EndoShield is designed to work with state-of-the-art AEM instruments.

The AEM EndoShield is always ready to use.

- Intuitive interface and plug-and-play design—minimizes the need for staff training
- Disposable—eliminates capital budget requirements, making it available virtually anytime it's needed
- Only one additional connection required (compared to traditional monopolar instrumentation) provides substantial time savings over other setups

It's not the technique, it's the technology!

Traditional monopolar laparoscopic instruments have an inherent design flaw. Un-shielded, these instruments are not able to contain the electrosurgical energy transmitted down their shafts. Inevitably, stray energy escapes, either through an insulation failure or through intact insulation by capacitive coupling, potentially burning non-targeted areas on a patient. Advanced AEM monopolar energy is continuously shielded and monitored by the AEM Burn Protection system to eliminate these stray energy burns to patients.

Active Electrode Monitoring (AEM) is a recommended practice by several organizations, including the Society of Laparoendoscopic Surgeons and AORN.[1-2]

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AEM SAFETY - PERFORMANCE - VALUE

AEM ENDOSHIELD™

BURN PROTECTION SYSTEM

A new Centers for Medicare and Medicaid Services (CMS) initiative, the HAC (hospital acquired conditions) reduction program penalizes hospitals with high rates of HAC, 1% of all CMS funding. For many facilities, this could mean millions of dollars a year.[3]

AEM® technology saves lives

Each year, in the U.S. alone, stray monopolar energy causes more than 6,200 preventable patient burns and 400 preventable patient deaths. Further complicating the problem is the fact that stray energy burns often occur outside the surgeon's field of view; most (69%) go unrecognized at the time of surgery.[4] It's easy to see that stray energy burns from traditional monopolar laparoscopy can have costly ramifications for patients, physicians, and hospitals.

The AEM EndoShield works in combination with AEM-shielded instrumentation to protect your patients and your facility against these avoidable expenditures:

- Penalties assessed by CMS HAC reduction program
- The direct cost of patient readmission
- The drain on hospital resources/budgets due to medico-legal action
- Erosion of surgeon confidence and hospital reputation
- Cleaning and maintenance costs of reusable AEM monitor

References:

1. Patient Safety during Laparoscopic Monopolar Electrosurgery - Principles & Guidelines. *JSLS*. 1998 July-Sept.; Volume 2, Number 3: 221-225.
2. AORN Recommended practices for Minimally Invasive Surgery. Standards, Recommended Practices and Guidelines. AORN Denver CO 2012. 153-157.
3. The Centers for Medicare & Medicaid Services (CMS). Fact sheet: CMS final rule to improve quality of care during hospital inpatient stays. Available at: http://www.cms.gov/newsroom/mediareleasedatabase/fact-sheets/2013-factsheets-items/2013-08-02-3.html. Accessed March 12, 2014.
4. Bishoff JT, Allaf ME, Kirkels W, Moore RG, Kavoussi LR, Schroder F. Laparoscopic bowel injury: incidence and clinical presentation. *J Urol*. 1999;161(3):887-890.

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AEM SAFETY - PERFORMANCE - VALUE

LIFETIME HOLD HARMLESS AGREEMENT

AEM® TECHNOLOGY INSIDE

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