

Encision recommends placing this document in the Instructions for Use/Care Section of your AEM Monitor Operator/Service Manual.

**Device Description**

**Disposable Electrodes—For Single Use Only**

The FC03XX+ series AEM® Shield™ Disposable Electrodes are 5mm instruments designed to fit commonly used Trocar Cannulas.

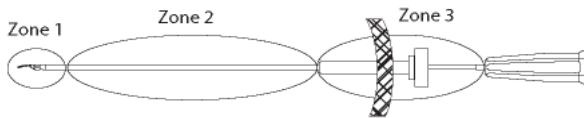
**NOTE**

- This product is rated to 9000 Vp-p. Limit electro-surgical generator power setting to 80 Watts or lower. Higher settings may result in spurious insulation failure alarms and/or insulation breakdown. See Encision AEM Monitor Operator/Service Manual for list of compatible electro-surgical generators.
- This product is supplied sterile and is not intended for use more than one time. No attempt should be made to reprocess this device.

**Use with Monopolar Electrosurgery**

AEM Instruments, in conjunction with an AEM Monitor properly connected to the electro-surgical generator (ESU), continuously monitor and dynamically manage “stray energy” (intraoperative insulation failure and capacitive coupling) in zones 2 & 3, which are likely out of the surgeon’s field of view.

AEM shielding does not cover zone 1, which the surgeon should keep in view during instrument activation. As in all applications, “misapplied” electro-surgical energy remains the responsibility of the attending surgeon.



Note: Zone 1 equals approximately 2.5cm Tip to Shield.

Laparoscopic procedures should be performed only by surgeons having adequate training and familiarity with laparoscopic techniques and who are also knowledgeable about anatomy and pathology as well as the complications, hazards, risks and benefits of the procedure.

**Indications/Intended Use**

The AEM Disposable Handpiece and AEM Disposable Electrodes are electro-surgical accessories intended, by use of monopolar high-frequency electrical current from compatible electro-surgical generators, for ablation, removal, resection and coagulation of soft tissue where associated hemostasis is required in open, endoscopic and laparoscopic surgical procedures.

The devices are intended for use by qualified medical personnel trained in the use of electro-surgical equipment.

AEM Instruments incorporate the use of AEM technology and are intended for use with the AEM Monitoring System and electro-surgical generators having compatibility with the AEM Monitor.

**Contraindications**

These instruments are not intended for use when laparoscopic electro-surgical techniques are contraindicated.

**Instructions For Use**

**Prior To Use**

Thoroughly read these instructions and the instructions in the AEM Monitor Operator/Service Manual.

Disposable Electrodes are supplied sterile. Inspect the package and product for damage prior to use.

**AEM System Setup**

See your AEM monitor IFU for information on System Setup.

**WARNING**

- Laparoscopic surgery may result in gas embolism due to insufflation of gas into the abdomen.
- Pulling or tugging cords can result in breaking of internal conductors, causing intermittent alarms or sparking and burning of insulation during use. The AEM Monitor is not designed to detect or prevent an arc in the event of a broken active wire.
- Damage to connector body and/or insulation may result in shock or fire hazard.
- Keep electrical connections dry while in use to prevent potential conduction of HF current to the user.
- Damaged external insulation AND incorrect setup of the AEM Monitor may result in a risk of unintended patient burn, shock or fire hazard. Do not use product having damaged insulation.

**SETUP CAUTION**

- Good operating room practice suggests that connections of accessories to electro-surgical generators be made only while the generator is OFF or on Standby.
- Use these instruments only in conditions that assure adequate visualization to minimize risk of misapplied electro-surgical energy.
- Do not activate the ESU if the monitor’s green Ready light is off. No Ready light means there is a setup error or equipment malfunction.
- Keep ESU power setting as low as possible for the intended purpose to minimize unintended burns.
- Damaged internal insulation of the cord and/or instrument, or loss of shield continuity, may cause ESU return pad alarms triggered by the AEM Monitor’s Fault Indicators. For maximum patient safety, discontinue use of the instrument if this occurs.
- A singular AEM Instrument must be the sole conductor of energy to tissue. Do not conduct energy by touching an AEM Instrument to a second instrument contacting tissue. The second device will not be protected from capacitive coupling and insulation failure.
- Keep electro-surgical instruments away from the patient and operative field when not in use. Accidental activation can result in unintended injury to the patient.
- See electro-surgical generator manual and AEM Monitor Operator/Service Manual for precautions concerning the general application of electro-surgical equipment.

**End of Life Indicators**

Discontinue use if any of the following are evident:

- Intermittent electrical performance
- Bent electrode shaft or tip affecting insertion into trocar
- Bent or damaged housing, rod or tip
- Any insulation damage which exposes metal (AEM Shield) along the length of the instrument’s shaft and/or any insulation damage in Zone 1
- After one use of product.

**Reprocessing**

This product is intended for single use and shall not be reprocessed or resterilized. Resterilization may compromise the integrity of the device, which may result in malfunction.

**NOTE**

- Used instruments are considered medical waste. Dispose of in accordance with local regulations.

**Express Warranty**

Encision hereby warrants to Buyer that products purchased hereunder shall be free from defects in materials and workmanship under normal use and service, as specified in this Instruction For Use/ Care, until the labeled USE BY date.

Any evidence of repair or modification of this product will void this warranty.

See AEM Monitor Operator/Service Manual for details of Limitations, Disclaimer, and Exclusions.

**Return of Used Product**

If for any reason this product must be returned to Encision, a returned goods authorization is required prior to shipping.

Appropriate return instructions may be obtained from Encision.

**Product**

Encision reserves the right to amend, modify or to change any product, to introduce new products, to withdraw products and otherwise vary product specifications at any time without notice.

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GLOSSARY OF SYMBOLS		
SYMBOL	MEANING	ISO 7000 REF NO.
	Manufacturer	3082
	Use By Date	2607
	Batch Code or Lot Code	2492
	Catalog Number/Reference	2493
	Single sterile barrier system	3707
	Sterilized Using Irradiation	2502
	DO NOT USE if package is damaged or opened	2606
	Medical Device is intended for one use, or for use on a single patient during a single procedure	1051
	Consult Instructions for Use	1641
	Caution - Read Instructions for use for further details	0434A
SYMBOL	MEANING	REFERENCE
	Foot Switch Operated	IEC 60417 Ref# 5114 Supplemented with ISO 7000 Ref# 1853
	Not made with natural rubber latex	ISO 15223-1 5.4.5 with negation symbol Annex B.2
	Prescription Only	21 CFR Part 801
	Medical Device	ISO 15223-1 5.7.7

Made in USA

**Manufactured by**

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Printed in USA  
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