

ACCU-Beam®

TTI Medical

CO2 Laser Laparoscope Coupler

INSTRUCTIONS FOR USE

Non-Sterile / Multiple Use

Caution: Please read all instructions prior to use

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Intended Use:

The ACCU-Beam® CO2 Laser Laparoscope Coupler is intended to be used with all articulated arm CO2 lasers. It is a surgical tool used primarily for GYN laparoscopic surgery for such procedures as vaporization of endometriosis, pelvic adhesiolysis, utersacral ligament ablation, uterine fibroids and ovarian cystectomies. Refer to the user manual of the laser manufacturer for full clinical use information and cleared indications.

Warnings:

- 1. Always, test fire the CO2 laser (with laparoscope coupler installed on the articulated arm) prior to surgery.***
- 2. Never use if the CO2 beam does not strike the same spot as the HeNe target beam.***

INSTRUCTIONS FOR USE:

The ACCU-Beam®CO2 Laser laparoscope Coupler can be used with either a zoom focusing system or a fixed lens assembly. The zoom focus has a focus range of 180mm to 400mm. The fixed lens assembly has a focal length of 400mm. The coupler provides a direct connection between the articulated arm of the laser and operating channel of the laparoscope.

- 1. With either the zoom focus system or fixed lens installed, thread the coupler onto the laser articulated arm. Use a thread adaptor if required.**
- 2. Attach the coupler to the laparoscope using the appropriate laparoscope thread adaptor. The alignment stem aids in beam centration through the operating channel.**

- 3. Activate the laser and point the aiming beam towards a moist tongue blade. Set the laser power to the desired level and make several test burns. If the CO2 laser does not burn a small circular spot similar to the HeNe target beam, call the laser manufacturer to check beam alignment.**

CAUTION: Never direct the laser at anyone's eyes.

- 4. If the zoom focus system is used, turn the zoom ring marked "min-max" until the most desirable spot size is achieved according to pathology and/or surgeons choice.**
- 5. Attach the tubing from the CO2 insufflator to the stopcock on the operating channel of the laparoscope and insert the laparoscope through the trocar sleeve already positioned in the patient. Activate the gas flow. A balanced flow of CO2 gas must be maintained as long as the laparoscope is inside the patient. This will prevent moisture from forming on the lenses in the coupler.**
- 6. Smoke evacuation is done through a secondary puncture site.**

Cleaning and Sterilization:

- 1. Unthread the optical assembly from the Coupler. The optics cannot be subject to any form of sterilization.**
- 2. The distal portion of the can be cleaned with soap and water. A cleaning brush should be used to clean the interior of the coupler. After cleaning it can be sterilized by autoclave, ETO or liquid sterilization.**

3. Optics should be inspected after use and cleaned if necessary. Clean with lens paper or a soft cotton swab (without adhesive) dipped in reagent grade acetone. Optics should be cleaned in a circular motion from the center to the outside.

*Caution: Do not use alcohol or other cleaning agents on lenses.
Do not autoclave or otherwise sterilize lenses.*

Reorder Number

3113 Direct Coupler
3116 Zoom Focusing System (180mm – 400mm)
3125 Fixed Focus Lens Assembly 400mm

Laparoscope Thread Adaptors

3181AS5 Standard –fits Storz, Circon/ACMI, Wisap & Leisegang
3182AS5 Olympus
3183AS5 Cabot
3184AS5 Wolf
3185AS7.5 Storz Bayonet

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ISO 9001: 1994
AMTAC Cert No. 163



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