



## GBOX

Type	GBOX-10B	GBOX-15A/B	GBOX-15AB	GBOX-15AP/BP
Wavelength	980nm	810nm/980nm	810nm+980nm	810nm/980nm+635nm
Maximum Power	10W	15W	15W+15W	15W+300mW
Operation Mode	CW, Single Or Repeat Pulse			
Pulse Duration	25µs-10s			
Repetition Rate	0.05Hz-20KHz			
Pilot Beam	Red Diode Laser Of 650nm, Power<5mW		300mW,650nm	
Control Mode	Touch Screen, 8" True Color			
Dimension	315(H)*215(W)*245(L)mm			
Lifetime	Over 20000 hrs			
Warranty	12 months free warranty, 5 years technical support			
Weight	4Kg			
Packing	Carry case with carton			

### ABOUT INSTRUMEDIC

INSTRUMEDIC is specializing in the design, manufacture and sale of medical diode lasers and accessories. Our products cover some disciplines of human, dental and veterinary medicine. For each discipline, a broad range of high quality accessories is available.

We have a strong emphasis on research and development, production, service and training. Working in conjunction with hospitals and physicians is just as important as good communication.

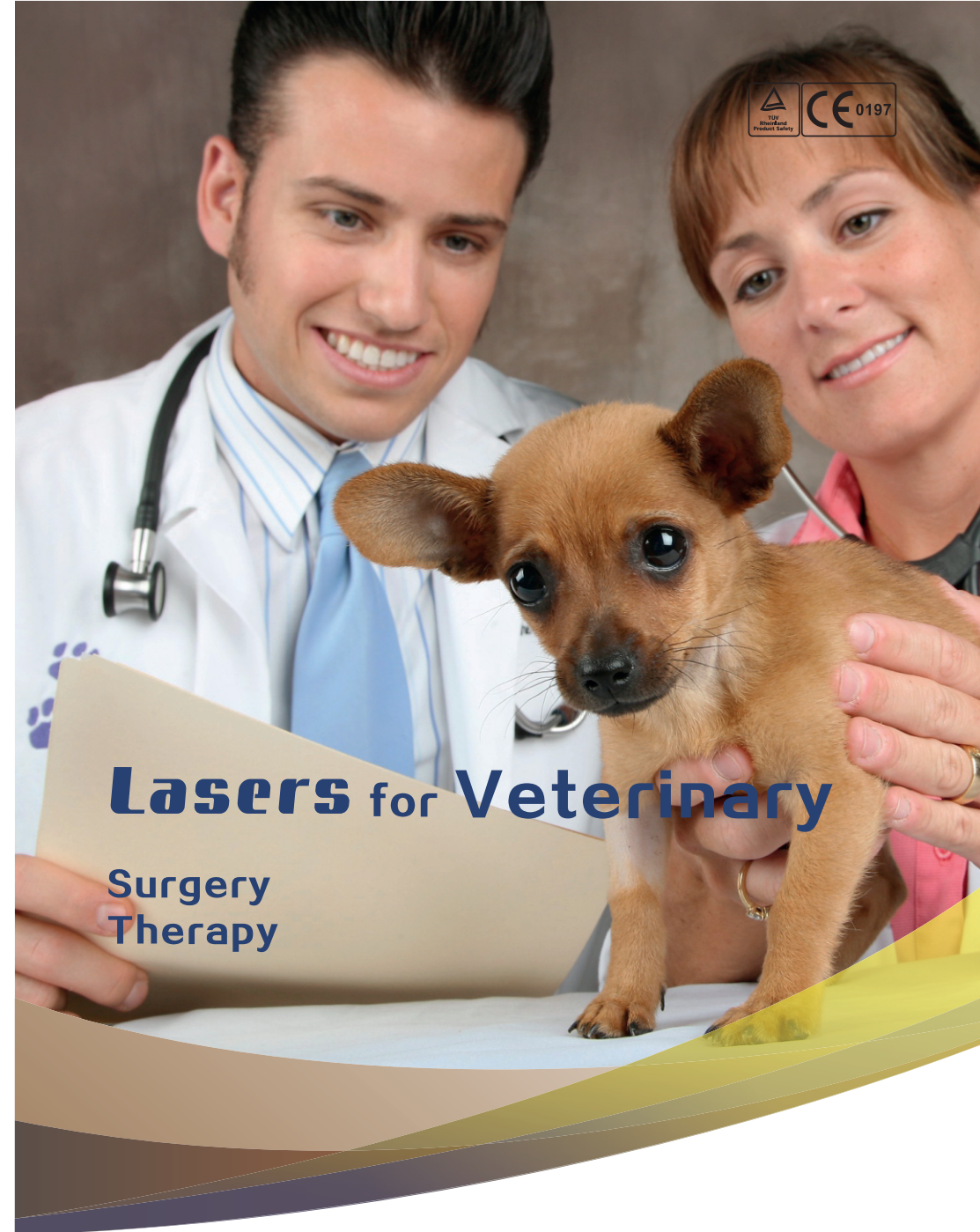


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# Lasers for Veterinary

Surgery  
Therapy



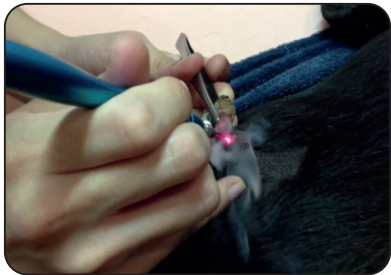


## INTRODUCTION

Diode lasers were commonly used in the field of therapeutic treatment for pain relief, wound healing or the like, while CO2 laser enjoyed the first choice for surgery. Unlike CO2 laser, the diode laser beam is transmitted through an optical fiber. This means that the laser beam can be delivered through rigid or flexible endoscopes. By processing the fiber tip has made it possible to perform surgeries commonly performed by CO2 laser. We have also developed various metal probes to respond to the demands from veterinarians. From vigorous surgery to soft therapy, from abdominal surgery to claw removal or ophthalmology, Diode Laser is a sprinter in various fields, i.e. your clinic.



## ADVANTAGES



### Benefits of laser surgery:

- Less bleeding
- Less pain
- Less swelling after surgery
- Quicker recovery from surgery



### Benefits of laser therapy:

- Anti-Inflammation. Anti-Pain (Analgesic)
- Accelerated Tissue Repair And Cell Growth
- Improved Vascular Activity and Metabolic Activity
- Reduced Fibrous Tissue Formation
- Improved Nerve Function Immunoregulation
- Faster Wound Healing

## Bare fiber



Length: 3m
Sterile packaging (ETO)
NA 0.37
400µm/600µm
SMA 905 connector

## Surgery handpiece



Aluminum Alloys
4 disposal tips, R14.8mm
Length: 165mm
Diameter: Φ13.8mm
200µm/400µm/600µm suitable
Surgery



## APPLICATION AREAS

### Surgery (and endoscopy)

In the surgical area, the laser ray can be used for the cut of tissue like a scalpel. Through the high temperatures of up to 300 °C, the cells of the treated tissue pop open and evaporate. This process is called vaporization. The vaporization can be very well controlled through the selection of the parameters for laser performance, focussing of the laser ray, distance between the tissue and reaction time and therefore point-exactly applied. The strength of the used fiber-optic decides furthermore how fine the executed cut becomes. The influence of the laser causes a coagulation of the surrounding blood vessels so that the field remains freely from bleedings. After-bleeding in the cut area is avoided.

- Vaporization cone
- Carbonized tissue
- Thermal reversible tissue

### Therapy (acupuncture & ray-treatment)

If the laser ray is not used point-exactly but defocused, it can be applied for laser irradiation as well. This has the advantage that the irradiation times can be shortened considerable and repetition treatments are necessary only after clearly longer time distances. This treatment has anti-inflammatory, analgesic and cure-promoting effects and can be therefore used for the treatment of healing of wound disturbances as well as for illnesses of the locomotorium (acute and chronic joint inflammations, musculature inflammations, sinew inflammations or tenosynovitis).

- Healing of a wound promotion
- Postoperative measures
- Pain therapy, acupuncture
- Hotspot treatment
- Arthrose
- Strengthening of weak ear cartilages

## Deep tissue therapy handpiece



Aluminum Alloys
Length: 177mm
Diameter: Φ40mm
Adjustable spot size:
10/15/20/25/30mm
600µm with SMA905 on both sides
Can control with hand switch

