

**Aculus-HB-150N** is developed to apply Low Level Laser Treatment (LLLТ) in endonasal regions for the achievement of "Laser Biostimulation" effect.

**Aculus-HB-150N** is patented and made using the combination of modern laser diode technology, innovative optics design and computerized digital control.



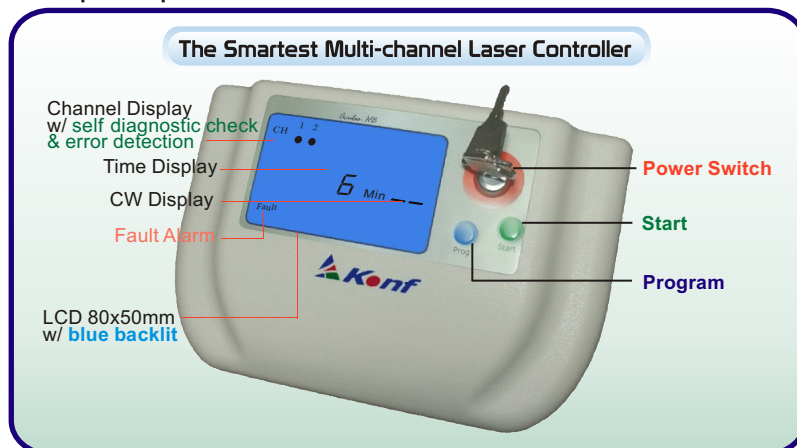
**Aculus-HB-150N** is clinically proven for treatments as a mono therapy or as a complementary treatment along with other therapies to treat rhinitis and sinusitis

**Aculus-HB-150N** can also be applied as alternative method for intravenous transcutaneous irradiation of blood (Laser Blood Irradiation LBI) reported as the effectiveness of:

- ▶ Improvement of rheological characteristics of the blood and microcirculation
- ▶ Normalization of parameters of hormonal, immune and reproductive

## Features

- Two lasers irradiate **simultaneously** with independent channel control to get accurate dosage, the controllable dosage can be treated to achieve the best therapy effectiveness.
- Microprocessor-based control, with the functions of self-diagnostic check and error detection, can automatically detect faulty alarm channel(s).
- User-friendly single function key to set the therapy process.
- Dynamic large size (80x50 mm) LCD with **blue backlit** display for clear reading.
- Musical auto time off on completion of therapy cycle.
- Patented laser modules directly insert into the nasal cavity without the risk of laser leakage for complete protection.



## Specifications

### Digital Controller

<b>Operation Environment</b>	0 ~ 40°C (32 ~ 105°F); 10 ~ 95%RH (Non-condensing)
<b>Storage Environment</b>	-20 ~ 85°C (4 ~ 185°F); 10 ~ 95%RH (Non-condensing)
<b>No. of Channels</b>	2
<b>Time Setting</b>	Automatic; 6 Minutes
<b>Frequency Setting</b>	Automatic; CW
<b>Music Alert</b>	Stop, and Fault
<b>Power Input Voltage</b>	90V AC ~ 264V AC
<b>Power Input Frequency</b>	47Hz ~ 63Hz
<b>Power Input Current</b>	Max. 1.0A (115V AC), 0.5A (230V AC)
<b>Power Supply Protection</b>	Short Circuit and Overload; Auto Recovery Mode
<b>CE Verification</b>	EMC Directive 93/42/EEC
	(Operation Environment: Medical Electrical Equipment) Standard Applied- IEC 60601-1 and EC 60601-1-2
<b>Dimensions</b>	205.7(L) x 256.5(W) x 101.6(H) mm; 8.1(L) x 10.1(W) x 4.0(H) in.
<b>Weight</b>	0.82 Kg (1.8 Lbs)

### Laser Module for Nasal Cavity

**Laser Module Quantity:** 2

**Laser Material:** Laser Diode AlGaInP

**Output Power:** Dispersion; Total 80 mW (40 mW x 2)

**Wavelength:** 660 nm

**Insert Fiber Material:** Plastic Fiber; Replaceable



### Insert Fiber

**Fiber Material:** Plastic Fiber

**Transmission Ratio:** > 85% (Red Beam)



### Aluminum Case

<b>Dimensions</b>	375(L) x 285(W) x 115(H) mm;
	14.8(L) x 11.2(W) x 4.6(H) in.
<b>Weight</b>	1.43 Kg (3.15 Lb)



\*The specifications of products are subject to change or modify without notice.