

## INTRODUCTION

Laser medium	GaAIAs Semiconductor
Laser wavelength	650nm+20nm/808nm+20nm
Number of laser diodes	2pcs 808nm laser diodes 13pcs 650nm laser diodes
Maximum output power per 808nm laser diode	100-150mw+-20%
Maximum output power per 650nm laser diode	5-10mw+-20%
Time setting	5-60 minutes(5 minutes as an interval)
Adapter Output Voltage	5.0V-1A
Adapter Input Voltage	100-240V-50/60Hz 0.4A
Battery Voltage	DC 3.7V
Battery capacity	2600mAh
Input power	<10VA
Environment temperature	5°C -40°C
Relative humidity	< 80%
Atmospheric pressure	860hpa-1060hpa
Voltage	100-240V

### Hand Held Laser Device

Therapy Applications:  
Pain Relief  
Knee Arthritis  
Rheumatoid Arthritis  
Soft Tissue & Sprain  
Sports Injuries  
Wound & Ulcer Acupuncture  
Diminish Inflammation



## HANDHELD LASER HD-Cure SE



## INTRODUCTION

The laser of 808nm can penetrate deep to the pain area, about 5-7 cm, so to treat arthritis, knee, shoulder pain, etc. the laser of 650nm can penetrate shallow skin (2-3 cm) like vessel wall, to relief the shallow pain and wound healing. Laser therapy delivers non-thermal photons of light to the body for about 3 to 8 minutes by the injured cells. The cells are then stimulated and respond with a higher rate of metabolism. It results in relief from pain, better circulation, anti-inflammation, and acceleration of the healing process.

Results vary from patient to patient and most are enjoying life again within a few weeks.

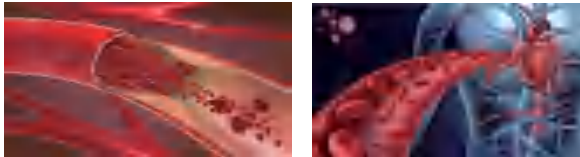
## THERAPY APPLICATION

Pain Relief  
Knee Arthritis  
Rheumatoid Arthritis  
Athletics System Injuries  
Soft Tissue & Sprain  
Sports Injuries & Sprain  
Wound & Ulcer Acupuncture  
Diminish Inflammation  
Acupuncture Rehabilitation Therapy



## THERAPY PRINCIPLE

### 1. Improving blood circulation



Laser directly irradiates on the lesion part which blood flow is decreased or irradiates the sympathetic ganglion which dominates this range. It could supply sufficient blood and nutrition in order to improve the metabolism and relieve symptom.

### 2. Diminishing inflammation quickly

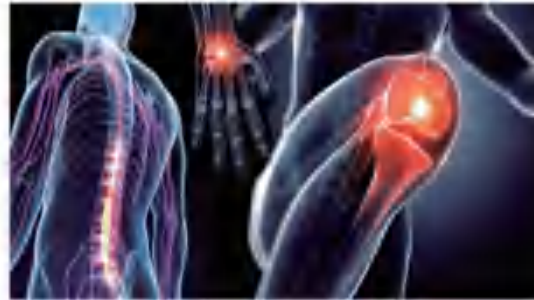


Laser irradiates the lesion area to enhance the activity of phagocyte and improve immunity and inflammation quickly.

### 3. Relieving pain quickly



The injured part could release the substance similar with morphine after laser irradiation. Laser irradiation also could reduce the conduction rate, power and impulse frequency to relieve the pain quickly.



### 4. Accelerating tissue repair

Laser irradiation can accelerate the growth of new blood vessel and granulation tissue and improve protein-synthesis. Blood capillary is one of the basic elements of granulation tissue, which is the precondition of wound healing. Organizing much more oxygen supply to damaged tissue cells and accelerates the production of collagen fibers. deposition and cross-linking.



## THERAPY ADVANTAGES

1. Low level laser irradiation, non-invasive, no side effect, no cross infection, pure green physiotherapy.
2. Perfect combine 650nm and 808nm laser.
3. As household physiotherapy devices, small size, intelligent design, easy operation and convenient carrying.

## LASER CLASSIFICATIONS



Class 2: Applies to only visible light lasers (400- 700nm). Most laser pointers are class 2 devices.

Class 3R: 3R lasers in the visible spectrum have continuous wave (cw) emission 5mW or less.

Class 3B: 3B lasers are hazardous to the eye when viewed directly, For visible and infrared devices emission power is limited to 0. 5W.

Class 4: Class 4 lasers include all lasers that emit power in excess of 3B limitations.