

# Hand Held Laser Device

Revolutionary Hand Held Laser to relieve pain. Take it anywhere and use it on the go. Perfect for all parts of the body. Useful for athletes, post-surgery, seniors, diabetics, and much more.

Get pain relief with our revolutionary Low Level Laser Therapy (LLLT) device. This small device is powerful and extremely effective. This laser is considered a "cold laser" since it does not produce any heat. This treatment has been commonly used in clinics and hospitals, now we are bringing cold laser technology to your home.

The Astra Med Laser is easy to use and suitable for all over the body. Perfect for athletes, seniors, surgery recovery, chronic pain management and more. The future is here!

**Try Astra Med Laser today  
and get the pain relief  
you deserve.**



## 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 (2-3cm) 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. The Results of low intensity laser irradiation is the restoration of normal function of the cell unit.

## 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 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 3B:** 3B lasers are hazardous to the eye when viewed directly. For Visible and infrared devices emission power is limited to 0.5W

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

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

## MAIN TECHNICAL SPECIFICATION

Model	HD-Cure	HD-CureS
Battery Capacity	built-in lithium battery 5200mAh	built-in lithium battery 2600mAh
Laser Wavelength	808nm and 650nm	
Terminal Laser Output	3*808nm with 150mW each and 12*650nm with 5mW each	4*808nm with 150mW each and 12*650nm with 5mW each
Case Material	ABS	
Lens Material	Tempered Glass	
Maximum Power	510mW	660mW
Working Mode	Pulse mode and continuous mode	Continuous mode
Time setting	start from 15 minutes, 15-60 minutes 10 grade adjustable Each grade increase 5 minutes	start from 5 minutes, 5-30 minutes 6 grade adjustable Each grade increase 5 minutes
Display	Gray LCD display	White LCD display
Voice	without voice broadcast, There is "bee" sound when pressing the function buttons	

## 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 enhance the activity of phagocyte and improve immunity and inflammation quickly.

### 3. Relieving pain



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.