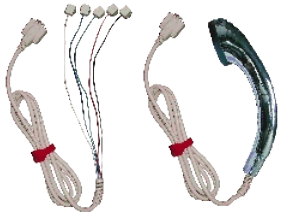
# Multi-channel Digital LLLT System

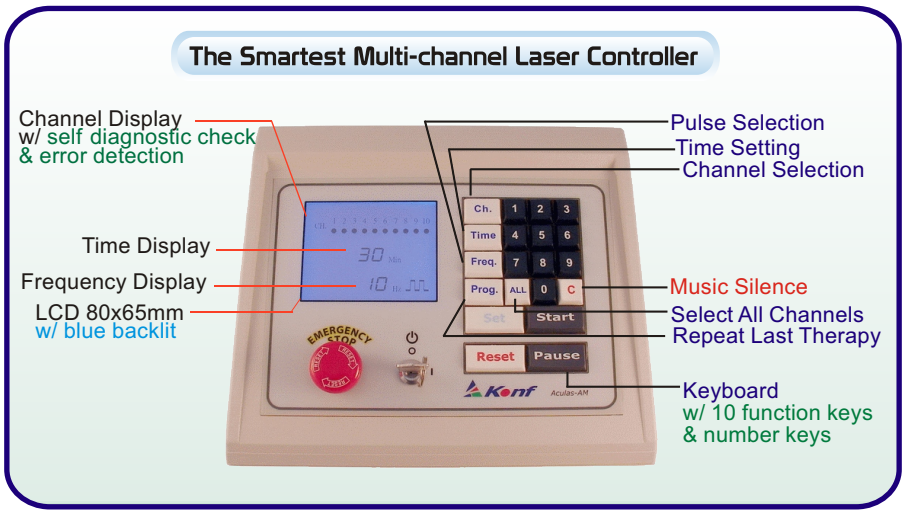
## Aculas-AM-151

***Aculas-AM-151*** multiple channels LLLT system is developed from "Laser Biostimulation" theory. This patented product is made using the combination of modern laser diode technology and computerized digital control.



## Features

- Laser irradiations reach the treatment area by one simultaneously activated handheld units and five laser modules for convenient operation.
- Laser beams reach the acupoints without piercing through the skin, thus avoiding the irony of traditional needle acupuncture and the inconsistency of correct needle depth.
- Microprocessor-based control, with the functions of self-diagnostic check and error detection, can automatically detect faulty alarm channel(s).
- Color-distinguished keyboard for convenient key-in.
- Ten user-friendly function keys combined with numerical keys for easy setting of the therapy process.
- Dynamic large size LCD with blue backlit display for clear reading.
- Selectable continuous wave or pulse output for wider application.
- To set the last therapy process with a single function "Prog." key for time saving and accuracy.
- An optional remote pause switch for safer therapy.




Patented and Patents Pending

# Specifications

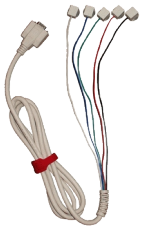
**Aculas-AM-151**

## Digital Controller

| | |
|---|---|
| **Operation Environment** | 0 ~ 40°C (32 ~ 105°F); 10 ~ 95%RH (Non-condensing) |
| **Storage Environment** | -20 ~ 85°C (4 ~ 185°F); 10 ~ 95%RH (Non-condensing) |
| **No. of Channels** | 10 |
| **Time Setting** | 1 ~ 60 Minutes (Min. Setting Segment 1 Minute) |
| **Frequency Setting** | 1 ~ 1,000 Hz (Min. Setting Segment 1 Hz); 0 Hz for CW |
| **Music Alert** | Remote Pause, Stop, and Fault |
| **Power Input Voltage** | 90V AC ~ 264V AC |
| **Power Input Frequency** | 47Hz ~ 63Hz |
| **Power Input Current** | Max. 1.0A (115V AC), 0.5A (230V AC) |
| **Power Supply Protection** | Short Circuit and Overload; Auto Recovery Mode |
| **CE Verification** | EMC Directive 93/42/EEC<br>(Operation Environment: Medical Electrical Equipment)<br>Standard Applied- IEC 60601-1 and EC 60601-1-2 |
| **Dimensions** | 205.7(L) x 256.5(W) x 101.6(H) mm; 8.1(L) x 10.1(W) x 4.0(H) in. |
| **Weight** | 1.4 Kg (3.1 Lbs) |

## Laser Module

| | |
|---|---|
| **Laser Material** | Semiconductor Laser Diode |
| **Contact Plate Material** | Surgical Stainless Steel |
| **Output Power** | 5 ~ 80 mW Selectable |
| **Wavelength** | 635 nm ~ 980 nm Selectable |
| **Standard Wavelength & Output Power** | Selectable<br>660nm / 50mW<br>780nm / 80mW<br>980nm / 50mW |




## Handheld Unit

| | |
|---|---|
| **Laser Module Quantity** | 5 |
| **Laser Material** | Semiconductor Laser Diode |
| **Wavelength** | 635 nm ~ 980 nm; Selectable |
| **Output Power** | 100 ~ 500 mW; Selectable |
| **Standard Wavelength & Output Power** | Selectable<br>660nm / 100mW; 250mW; 500mW<br>780nm / 450mW<br>980nm / 250mW |
| **Weight** | 250 g (with connection wire) |

## Aluminum Case

| | |
|---|---|
| **Dimensions** | 450(L) x 330(W) x 130(H) mm;<br>17.7(L) x 13(W) x 5.1(H) in. |
| **Weight** | 1.73 Kg (3.81 Lb) |

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