



➤ Muscle Stimulator

With Faradic and Galvanic types of current with variable Pulse width

Pulse duration, rest period, timer, intensity control, Buzzer,

Facility to plot SD Curve and Iontophoresis

Treatment mode: Faradic, Surged faradic, Galvanic

Interrupted Galvanic: Variable frequency for Interrupted Galvanic

Output adjustable, Digital Model

The technical details of the available modes are as follows:

- (a) **Galvanic Current:** It is a pure direct current (DC) as a result from rectification and filtration of the alternating current from the mains supply. The main indication is stimulation of the denervated muscle ion transfer.
- (b) **Interrupted Galvanic Current:** Galvanic current is reduced to zero suddenly from its set peak value electronically. This is used for the diagnosis and the extent of muscle lesion. Low skin resistance should be maintained with saline water/electrode gel.
- (c) **Faradic current:** Pulses generated are of short duration. Tetanic muscles contraction and muscle fatigue is achieved in short duration keeping in view the low pulse rate.
- (d) **Surged Faradic current:** The pulses are surged. Peak tetanizing can be reached within seconds. The action is similar to voluntary contraction.