

# Ultimate Ortho TEMS unit

## SPECIFICATIONS

Channel	Dual
Output	5mA to 100mA into 1K $\Omega$
Pulse Width	50 $\mu$ S to 400 $\mu$ S adjustable
Pulse Rate	1Hz to 150Hz adjustable
Wave Form	1. Symmetrical Bi-phasic rectangular 2. Asymmetrical Bi-phasic rectangular

### Operation

**TENS** Program 1 - Modulation: Frequency increases from 50Hz to 100Hz while pulse width decreases from 200 $\mu$ S to 60 $\mu$ S within 10 seconds.

Program 2 - Burst: Two trains per second, 250ms on, 250 ms off. Frequency=120Hz, pulse width=50 $\mu$ S.

Program 3 - Constant

**EMS** Program 4 - Preset. Only frequency and pulse width can be changed by user.

Program 5 - Manual. Duration: 20min. Default parameters: Pulse rate = 50Hz, Pulse width = 250 $\mu$ S, Ramp on = 2s, Ramp down = 1s, Work = 6s, Rest = 11s.

Program 6 - Manual. Duration: 20min. Default parameters: Pulse rate = 10Hz, Pulse width = 300 $\mu$ S, Ramp on = 2s, Ramp down = 1s, Work = 8s, Rest = 9s.

Program 7 - Manual. Duration: 20min. Default parameters: Pulse rate = 30Hz, Pulse width = 250 $\mu$ S, Ramp on = 2s, Ramp down = 1s, Work = 7s, Rest = 10s.

Program 8 - Manual. Duration: 20min. Default parameters: Pulse rate = 90Hz, Pulse width = 150 $\mu$ S, Ramp on = 2s, Ramp down = 1s, Work = 4s, Rest = 13s.

**TEMS** Program 9 - Program 1 for 20min plus Program 4 for 20min

Treatment Timer Continuous, 15min, 30min, 45min, 60min, 90min

Display 53.5 mm X 35.8 mm LCD

Battery 2 AA LR6 Alkaline batteries

Electrodes 50mm X 50mm Adhesive Electrode

