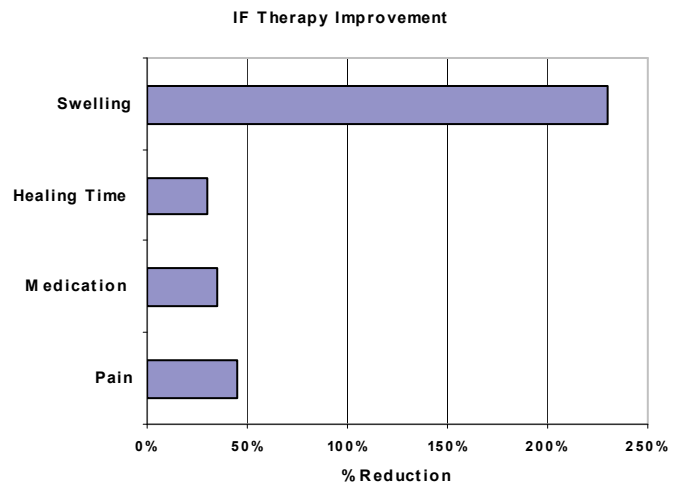


## The TL 1100 Portable Interferential Stimulator

Combines the portability of a home unit -

- with the power and features of a clinical device



**Documented  
Improvement**

### Features and Benefits

- **Full FDA approval**
- **Independent clinical studies show reduction in pain, swelling, & healing times**
- **Records usage data for compliance reporting**
- **Portability, smaller size, and self-application allows maximum patient mobility**
- **Error - free and safe patient treatment with no knobs to misadjust**
- **9V disposable battery power or AC power with optional wall mount adapter**
- **Provides NMS and TENS functions in addition to Interferential therapies**
- **Commercial grade durability and reliability**
- **Customizable treatment parameters protected by a security code**
- **Automatic treatment shut off when treatment is complete**
- **Countdown timer displays amount of time left in treatment**
- **Easy to read LCD alphanumeric display**

## **TL 1100 Portable Interferential Stimulator**

Today, one of the most popular modalities in rehabilitation is interferential therapy. This modality increases blood flow, aids range of motion, reduces edema and improves pain control. The **TheraLabs TL1100** provides state-of-the-art NMS and Interferential stimulation in a highly reliable, dual channel, portable, American-made product. Five preset protocols are provided and each protocol can be customized for specific patient needs. The **TL 1100** provides unmatched flexibility and value.

Coupled with this flexibility and value are intuitive, user-friendly controls that allow the selection of a variety of treatment parameters. The **TL 1100** provides a new smaller size that is optimized for patient comfort and portability. However, this smaller size make no compromise in delivering all the power required for effective interferential therapy. Patient usage data is automatically monitored and available to the clinician. This data is protected by a security code for added confidentiality.

### **TECHNICAL DATA**

|                                  |  |
|----------------------------------|--|
| <b>Waveform</b>                  | <b>Symmetrical square wave with 0 volt net DC component</b>              |
| <b>Power Source:</b>             | <b>9V disposable battery and (optional) UL approved AC power adapter</b> |
| <b>Dimensions:</b>               | <b>2.6" x 4.3" X 1.125"</b>  |
| <b>Carrier Frequency:</b>        | <b>4000 Hz</b>   |
| <b>Beat Frequency:</b>           | <b>1 - 150 Hz</b>  |
| <b>Interferential Frequency:</b> | <b>4001 - 4150 Hz</b>  |
| <b>Output Current:</b>           | <b>0 - 50 milliamperes @ 500 Ohm per channel</b>                         |
| <b>Output Voltage:</b>           | <b>0 - 25 volts peak / 0 - 50 volts peak to peak</b>                     |
| <b>Pulse Width:</b>              | <b>50%</b>   |
| <b>Sweep Time:</b>               | <b>6 sec. preset</b>   |
| <b>Sweep Frequency:</b>          | <b>1 - 10 Hz preset and 1 - 150 Hz preset</b>                            |
| <b>Compliance Meter</b>          | <b>1 min. to 255 hours &amp; 50 min. in one min. increments</b>          |
| <b>Patient Treatment Timer:</b>  | <b>20 min. preset, 30 min. preset, &amp; 60 min. preset</b>              |

### **PRESET THERAPIES**

**Std (Standard Mode)** - The unit provides a beat frequency of 1 Hz for 6 sec. and then supplies a beat frequency of 10 Hz for 6 sec. This therapy is repeated for 10 min. After the initial 10 min. treatment the unit produces a beat frequency that sweeps from 80 Hz to 150 Hz within 6 sec. This second treatment continues for another 10 min. After 20 min. the unit shuts off. (For pain & swelling and after surgery)

**36R (30% - 60% Ramp)** - The unit provides a beat frequency that gradually changes (ramps) from 30% below the set frequency to 60% above the set frequency within 6 sec. This treatment continues for 30 min. After 30 min. the unit shuts off.

**36A (30% - 60% Abrupt)** - The unit provides a beat frequency that abruptly changes from 30% below the set frequency to 60% above the set frequency within 6 sec. This treatment continues for 30 min. After 30 min. the unit shuts off.

**Cont (Continuous)** - The unit provides a beat frequency of 100 Hz for the full treatment time of 60 Min.

**Stim (Stimulator)** - The unit provides a beat frequency of 48 Hz for 6 sec. followed by a ramp down to "0" amplitude that lasts for 6 sec. This phase is followed by a ramp back to the original amplitude where the cycle is repeated. This treatment lasts for 60 min.

**Mem (Memory Locations)** - The unit allows modification of one of the five previously described therapies. This customized therapy can be stored into a memory location and recalled by the patient for use.

### **ACCESSORIES**

|                   |  |
|-------------------|--|
| <b>TL 1100 AC</b> | <b>UL approved wall mount AC power adapter</b>             |
| <b>TL 1100 MA</b> | <b>Instruction Manuals</b>                                 |
| <b>TL 1100 LW</b> | <b>Leadwires (Set of 2)</b>                                |
| <b>ACCC SM</b>    | <b>Foam lined carrying case</b>                            |
| <b>ACES-22</b>    | <b>Reusable 2" self-adhering electrodes (Package of 4)</b> |

**Contact your local**



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