

## The TL 2000 High Voltage Galvanic Stimulator

The most durable, flexible and feature-rich HVG unit on the Market



TheraLabs Compliance Log Example & Data

TheraLabs  
Patient Usage Report

Physician Name: Dr. Dy  
ICD Code: 72611  
Patient Name: Kristin L. Cattaneo  
Patient S.S. No.: 332-60-0797  
Prescription Date: 09/27/02  
Payor: BBS I  
Birth Date: 09/27/02  
Sex: Female

Device Prescribed: TL 1000      Serial Number: S0041756

Report Period  
Beginning Date: 10/01/2002 09:30  
Ending Date: 11/20/2002 13:14

Patient Condition  
Pain Indication: unable to move arm upward  
Body Area Treated: shoulder

Treatment Plan  
variable

Current Treatment Plan Settings

Mode	FRQ	HIF	SWT	TMR	PWC	(Parameters)
1. Standard	001	010	006	020	Duo	
2. Full Sweep	001	150	006	030	RSP	
3. Back	001	010	006	060	ABR	
4. Continuous	100	100	006	060	CNT	
5. Muscle Stim	048	048	006	060	STM	
6. Memory 1	001	010	006	020	Duo	
7. Memory 2	001	010	006	020	Duo	
8. Memory 3	001	010	006	020	Duo	

Treatment Received

Total Treatments: 46  
Total Zero-amp Treatments: 0  
Total Treatment (Cmpl. Tmr): 29 hour(s) & 0 minute(s)  
Total Days: 20  
Average Daily Use: 0.580 hours/day (35 minutes/day)  
Total Treatment (Cmpl. Tmr) / Total Days = Average Daily Use

Patient Usage Log Results

Mode	Times Used	Total Minutes	Avg. Amplitude
1. Standard	6	120	35
2. Full Sweep	6	180	35
3. Back	6	360	35
4. Continuous	6	360	35
5. Muscle Stim	6	360	35
6. Memory 1	6	120	35

### Features and Benefits

- Full FDA approval
- Independent 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 four commonly used pre-programmed therapies
- Commercial grade durability and reliability
- Provides three customizable treatments storage locations
- 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

### Compliance Reports

# **TL 2000 Portable High Voltage Galvanic Stimulator**

Today, one of the most popular modalities in rehabilitation is High Voltage Galvanic (HVG) therapy. This modality increases blood flow, aids range of motion, reduces edema and improves pain control. The **TheraLabs TL2000** provides state-of-the-art HVG stimulation in a highly reliable, miniature-sized, portable, American-made product. Four preset protocols are provided and each protocol can be customized for specific patient needs. The **TL 2000** 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 that can be stored in any one of three memory locations. The **TL 2000** provides a new smaller size that is optimized for patient comfort and portability. However, this smaller size make no compromise in delivering all the therapeutic value required for effective treatment . 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>Channels:</b>	<b>One or two active (red) and one dispersive (black)</b>
<b>Waveform:</b>	<b>Asymmetrical monophasic exponentially decaying spikes, delivered in pairs with a fixed interpulse interval of 100 microseconds</b>
<b>Power Source:</b>	<b>9V disposable battery and (optional) UL approved AC power adapter</b>
<b>Dimensions:</b>	<b>2.6" x 4.4" X 1.1"</b>
<b>Output Voltage:</b>	<b>0-300 volts peak to peak (+/-10%)</b>
<b>Pulse Rate:</b>	<b>1 - 150 pulse pairs per sec. (PPS)</b>
<b>Pulse Width:</b>	<b>Fixed at 20 microsec.</b>
<b>Max Charge/Cycle:</b>	<b>5.81 microcoulombs</b>
<b>Unit Weight w/ Battery</b>	<b>6.0 Oz.</b>
<b>Regulatory Class</b>	<b>Class II (per IEC60601-2-10 &amp; 21 CFR 890.5850)</b>

## **PRESET THERAPIES**

**DAY (Day Mode)** - The unit provides 100 PPS continuous for 15 min., then 200 PPS continuous for another 15 min. After 30 min. the unit shuts off. Depending in the polarity of the output leads, the user will receive treatment for chronic and acute pain.

**NGT (Night Mode)** - The unit provides 100 PPS continuous negative polarity for 15 min., then 20 PPS continuous negative polarity for another 15 min. The unit is then idle for 30 min. for a treatment cycle time of 60 min. The unit then repeats this cycle for five more times for a total treatment time of six hours.

**FSP (Full Sweep)** - The unit sweeps from 1 to 150 PPS continuous negative polarity over six seconds. It then sweeps back from 150 to 1 PPS continuous negative polarity over a second six second period. It continues providing this therapy for 30 min After 30 min. the unit shuts off.

**MSP (Muscle Pump)** - The unit provides a smooth amplitude ramp of 50 PPS continuous positive polarity from zero amplitude to the amplitude setting provided by the user. This ramp takes place in six seconds. Then, the unit provides a smooth amplitude ramp from the amplitude setting provided by the user to zero in a one half second period. The unit is then remains at zero amplitude for one second. This cycle is then repeated for a total treatment time of 20 Min.

**M1- M3 (Memory Locations 1 through 3)** - The unit allows modification of one of the four previously described therapies. This customized therapy can be stored into any of three memory location and recalled by the patient for use.

## **ACCESSORIES**

<b>TL 2000 AC</b>	<b>UL approved wall mount AC power adapter</b>
<b>TL 2000 MA</b>	<b>Instruction Manuals</b>
<b>TL 2000 LW</b>	<b>Leadwires (Set of 2)</b>
<b>ACCC SM</b>	<b>Foam lined carrying case</b>
<b>ACES-32</b>	<b>Reusable 2" self-adhering electrodes (Package of 3)</b>

**Contact your local**



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**TheraLabs**  
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