



Twin Stim Plus 2nd Version Device Specifications



Twin Stim Plus™ Digital 4-Channel TENS + EMS Dual Function Device HCPCS: E0730(TENS), E0745(EMS)

The Twin Stim Plus 2nd Edition is a 4-channel, 8-electrode, TENS and EMS combination device. The Twin Stim Plus 2nd Edition gives the user the choice of 5 modes of TENS and 3 modes of EMS. Unit can be powered by (4) AA batteries or by its AC adaptor.

Detailed Description (please view the manual online for complete accuracy)

- Channels: 4 Channel, isolated between channels.
- Pulse Amplitude: Adjustable, 0-100 mA peak into 500 ohm load each channel.
- Voltage: 0 - 50 Volts peak to peak on 500 ohms load.
- Size: 13.8 cm (L) x 7.8 cm (W) x 2.8 cm (H)
- Weight: 425 grams with batteries.
- Power Source: 4 AA Batteries or AC Adaptor.
- Pulse Rate: Adjustable, from 2 to 150 Hz 1 Hz step.
- Pulse Width: Adjustable, from 50 to 300 microseconds, 0 µs/step
- Wave Form: Asymmetrical Bi-Phasic Square Pulse.
- On Time: Adjustable, 2-90 seconds , 1 second/step.
- Off Time: Adjustable, 0-90 seconds , 1 second/step.
- Ramp Time: Adjustable, 1-8 seconds, 1 second/step, The "On" time will increase and decrease in the setting value.

3 EMS (Muscle Stimulation) Modes:

- **(C) Constant:** Constant stimulation based on setting value. Only pulse width, pulse rate and timer are adjustable in this mode. "Constant" is equal to the "Normal" mode of a TENS unit.
- **(S) Synchronous:** Stimulation of both channels occurs synchronously. The "ON" time including "Ramp Up" and "Ramp Down" time. Therefore, the setting of ON Time should be no less than two times of the "Ramp" time in this mode.
ON TIME ≥ Ramp up + Ramp down
- **(A) Alternate/Alternating:** The stimulation of the CH2 will occur after the 1st contraction of CH1 is completed. In this mode, the setting of ON Time should be no less than two times of the "Ramp" time. The OFF Time should be equal or more than the ON Time.
ON TIME ≥ Ramp up + Ramp down
OFF TIME ≥ ON TIME

5 TENS (Transcutaneous Electrical Nerve Stimulation) Modes:

- **(B) Burst:** Burst-Rate- Adjustable, 0.5 ~ 5Hz, Pulse width adjustable, 50~300µs Frequency fixed = 100 Hz
- **(N) Normal or Constant:** The pulse rate and pulse width are adjustable. It generates continuous stimulation based on the setting value.
- **(M) Modulation (Sweeping):** Modulation mode is a combination of pulse rate and pulse width modulation. The pulse rate and width are automatically varied in a cycle pattern. The pulse width is decreased by 50% from its original setting in 0.5 second, then the pulse rate is decreased by 50% from its original setting in 0.5 second. Total cycle time is 1 second. In this mode, pulse rate (2-150Hz) and pulse width (50-300 µs) are fully adjustable.
- **(SD1) Strength Duration I:** The SD1(Strength-Duration) mode consists of automatic modulation intensity and pulse width in 40% range. The intensity is always increasing while the pulse width is decreasing and vice-versa. The intensity is decreased by 40% while the pulse width is increased by 40% in 5 seconds. In the next 5 seconds, the intensity is increased by 40% while the pulse width is decreased by 40%.Total cycle time is 10 seconds. Pulse rate (2-150Hz) and pulse width (50-300µs) are fully adjustable.
- **(SD2) Strength Duration II:**The SD2(Strength-Duration) mode consists of automatic modulation intensity and pulse width in 70% range. The intensity is always increasing while the pulse width is decreasing and vice-versa. The intensity is decreased by 70% while the pulse width is increased by 70% in 5 seconds. In the next 5 seconds, the intensity is increased by 70% while the pulse width is decreased by 70%.Total cycle time is 10 seconds. Pulse rate (2-150Hz) and pulse width (50-300µs) are fully adjustable.
- **Timer:** Two Adjustable timers, from 1 to 60 minutes or Continuous. Adjustable in 1 minute each step from 1 to 15 minutes, and 5 minutes each step from 15 to 60 minutes. Treatment time countdown automatically.1 Year Manufacturer Warranty
- **Patient Compliance Meter:** This unit can store up to 60 sets of operation records. Total recorded time is 999 hours.
- **Low Battery Indicator:** A low battery indicator will show up when the batteries are low.
- **Remark:** There may be up to a +/-5% tolerance on all parameters and +/-20% tolerance of amplitude and voltage.
- **Operating Condition:** Temperature: 0°-40°C Relative Humidity: 30%~75% Atmosphere Pressure : 700Hpa~1060Hpa

System Includes:

Stimulator
4 AA Batteries
Soft Carrying Case

Billing Code:

HCPCS: E0730 TENS / E0745 EMS
HCPCS: A4630 / 99070

System Includes:

4 Lead Wires
AC adaptor
Instruction Manual

Billing Code:

HCPCS: A4557
HCPCS: A4630 / 99070

We do not guarantee billing codes. Billing codes may vary per payer source. Contact your payer source for their own codes and if the codes are covered.

This is a Class II medical device. Federal law restricts this device to sale by, or on the order of, a physician. If you require assistance in securing a prescription, or 'script', for this device – contact us for a form that your physician can sign to authorize your purchase. Please review the device manual, on line manual for all contraindications, warning, precautions and possible adverse effects from using this device.