

Introducing the AXION micro5 for 2015



Classic Microcurrent Stimulator

- 1-750 uA
- .1-999 Hz
- 50% Duty Cycle
- Constant Current
- +/- 60v
- +/- with alternating Polarity
- square and ramped Wave
- Tsunami Wave
- 5 Pre-sets
- Portable, Battery Operated
- USB Charging System
- 2 independent channels, with probe sharing channel 1
- Pad or Probe usage
- Microprocessor controlled

510(K) Number K911814

Stimulator, Nerve, Transcutaneous, For Pain Relief

The AXION micro5 represents the most advanced stimulator for pain control available today.

Up Close and Personal with the AXION micro5

by Dr. Joe Ventura

The original line of AXION stimulators started in 1982 when I designed and manufactured a line of TENS devices for the dental profession. By 1989 it was time to update the equipment and I spent almost an entire year on the development of the micro5. I'm asked all the time what makes the micro5 different. The following are all the special features I designed into the micro5.



Let's start with the case. Rather than use ABS molded plastic, we use 1/16" steel, precision bended to form an attractive and functional case. Still lightweight at 8 lbs, the case provides a solid base that won't easily move on the cart during use.

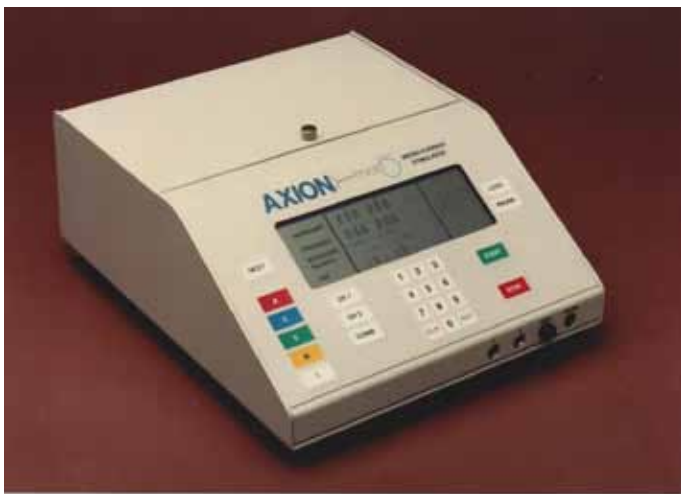
The case is powder-coated rather than painted. This provides a rugged exterior resistant to scratches and cleans with light soap and water.

The case comes with a built in handle for easy transport.

The case features a hidden storage compartment for the accessories.



The front of the case is at the perfect viewing angle for glare free viewing and access to all the functions.



The metal case also provides shielding from EMF sources that might interfere with micro5 operation.

In designing the operator interface I wanted the micro5 to be “intuitive” which is another word for stupid proof. Other computer controlled devices get bogged down by using menu systems that require the operator to drill down through other menus to get to the final level to select or change a setting. Not the micro5



Every setting you can make is at the first level and is visible at all times. Simply select the parameter to change and make the change using the numerical keypad. This can even be done in real time as a treatment is being administered. Each channel has its own independent timer for treating multiple areas or patients at the same time. You can also use the probe electrodes, which operate off channel 1, and channel 2 at the same time.

The following are the setting parameters of the micro5:

- 1-750 uA in 1 uA increments
- .1-999 Hz in 1 Hz increments (.1 steps when below 1 Hz)
- Waveslope : Standard or Gentle (soft leading edge for Gentle)
- Polarity: Always positive, always negative or alternating every 2.5 seconds
- Time: Seconds/minutes/continuous

Channels 1 and 2 are completely independent and isolated.

The Power of Microprocessors

The micro5 was engineered to be the most precise microcurrent device available. Special features and software ensure this. First, upon start-up, the micro5 goes through a self-diagnostic test.

- RAM test
- ROM test
- CPU test
- Display test
- Output test

During treatment the micro5 software monitors the current and samples it every 5 seconds to make auto-corrections. If resistance through the skin/electrode interface has risen or dropped, the micro5 will adjust the output accordingly. If it can't handle the change, a tone is emitted and a failure is indicated on the display screen. We call this Secure Alert, and it's a micro5 exclusive. Although the micro5 normally only needs 12 volts to deliver the treatment, it has a reserve of 60v to tap into if needed.



It's critical that a microcurrent device have an accurate output. Why? Most treatment is sub sensory. If the output is not accurate the operator will most likely never know unless the device has safeguards built-in to #1 ensure accuracy and #2 alert the operator if the unit fails to provide the requested output. The software of the micro5 constantly tunes the device and monitors the output for accuracy within a very narrow operating band.



Ease of Use

Using what we describe as a horizontal input system, setting the micro5 can be as easy as pressing a single button. It comes with five presets utilizing the most common settings. Each can be manually adjusted using the 0-9 keypad.

All settings are at your fingertips for the fastest setup possible.

Sequential Treatments (Chaining)

There may be times when you want to apply two different treatment parameters sequentially. That's easy with the micro5.

Press the desired first preset, press NEXT, press the second preset, press START. That's it.

Convenience Features

With the press of a button you can do the following:

- Check Battery Voltage
- Display Current
- Set Timer to Continuous
- Disable Sound
- Set Probe Sensitivity



Unique Probe Features

We use an AC current of an incredibly low amplitude to measure the resistance of the skin. This current will not pre-treat the area and provides the most accurate measuring system available.

Our SCAN feature will scan an area for exactly 2 seconds and display the highest readings during that time. Perfect for those that want to write down the areas of most conductivity.

The Probe is tied into channel 1 and can deliver the treating current through wet Q-Tips to small areas of the body.

Power Supply

The micro5 is completely portable, using a rechargeable battery system. Even our charging system is unique. Utilizing a USB charging system, you can recharge the batteries with the included USB wall charger, computer or car USB adaptor. Batteries will last for about 11 hours of continuous use and recharge fully in about 4 hours (overnight). The nickel hydride batteries have no memory and can be recharged at any time.



The micro5 is made in the USA using mostly custom manufactured parts. Each unit comes with a 2 year warranty.

The micro5 is an FDA Class II device. Why is that important? The FDA certification is an assurance of both safety and effectiveness. It means the device passed rigorous examination of how it was designed and manufactured.

AXION micro5

Designed for the Life of Your Practice™

www.AXIONmicro.com

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