

# sentio

## Nerve Mapping Defined

### SentioMMG™: The Solution for Real-time Intraoperative Nerve Mapping

MMG (Mechanomyography) functions by detecting and measuring the MECHANICAL activity in contracting muscles following nerve stimulation, delivering a high level of accuracy and efficacy in procedures where motor nerves are at risk. The SentioMMG™ System utilizes a variety of electrically stimulated probes to induce nerve depolarization when applied near a nerve.

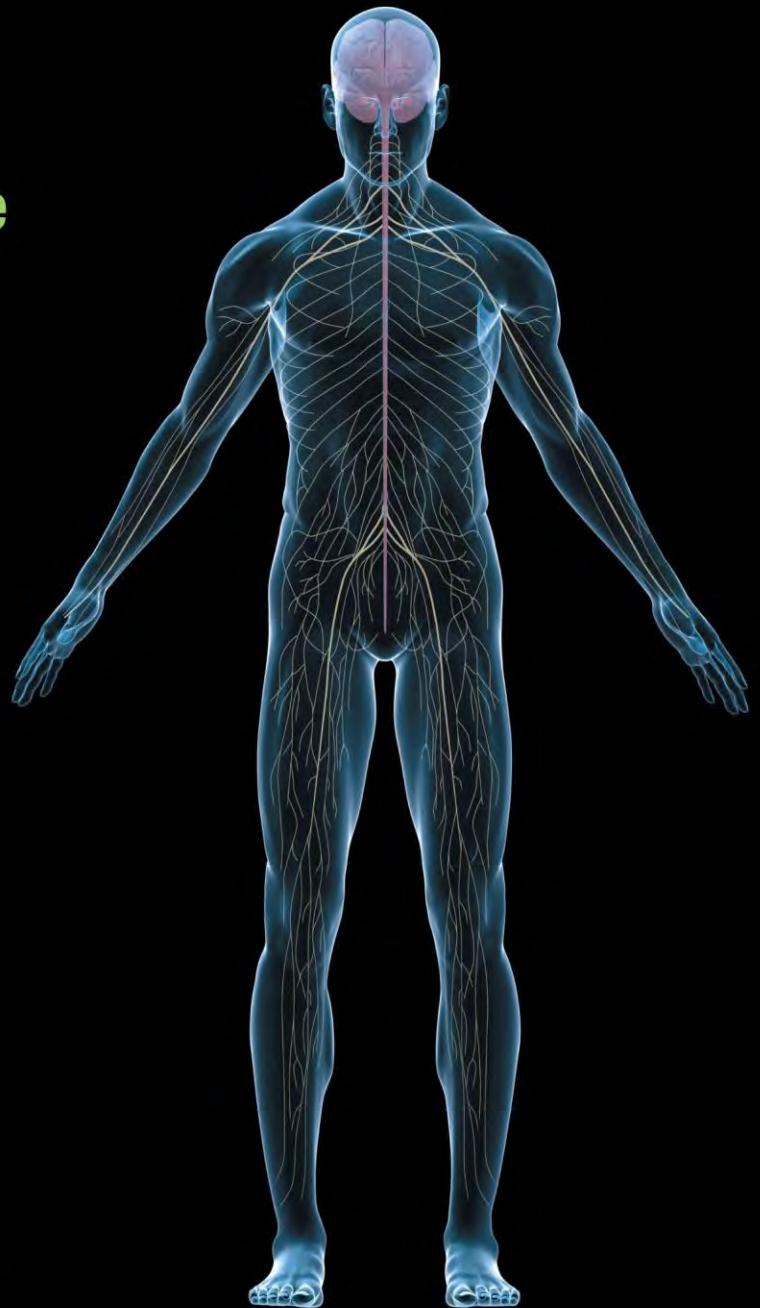
Where EMG detects the subtle ELECTRICAL activity occurring in the muscle during contraction, MMG measures and interprets the resulting MECHANICAL activity by utilizing the SentioMMG™ Smart Sensors.

#### SIGNAL TO NOISE RATIO

EMG



MMG



### SentioMMG™ Smart Sensors: A Significant Technological Advancement

While traditional EMG neuromonitoring has seen advances over time, the facts remain: EMG Systems still use needles to pick up the electrical activity in muscle, and are subject to electrical interference in the operating room, resulting in poor signal to noise ratio.

Replace EMG needles with simple-to-apply, yet highly advanced SentioMMG™ Smart Sensors, and eliminate the occurrence of false-positive and false-negative signals commonly observed with EMG based systems. This cutting-edge approach uses ultra-sensitive accelerometers to deliver immediate intraoperative feedback for precise nerve mapping.



**Simplified. Smart. Accurate.**

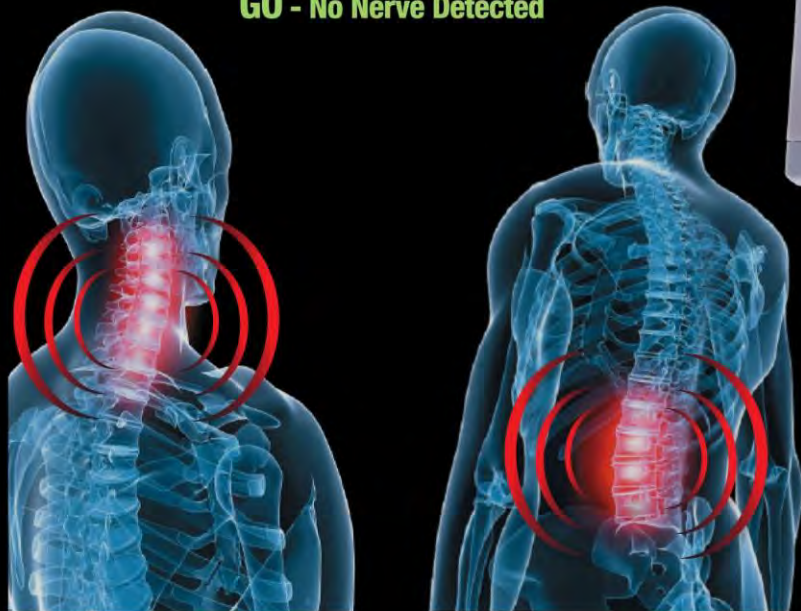
**mmg**

**Self-Contained Surgeon-Driven Nerve Mapping System**

## **Stop or Go: The Surgeon Is In Control with SentioMMG™**

No Neurophysiologist required. No complex data to interpret. For surgical procedures involving motor nerves originating from C3-T1 and L2-S2, the SentioMMG™ System is the solution. SentioMMG removes the complexity and delivers information to the surgeon with the clearest of direction:

**STOP - Nerve Detected**  
**GO - No Nerve Detected**



The SentioMMG™ System compiles data from the peel-and-stick SentioMMG™ Smart Sensors, which are not susceptible to electrical interference, allowing the surgeon to receive real-time feedback of precise nerve location.

## **SentioMMG™ is right for your procedures. Trial is the next step.**

- Speed up your procedure by eliminating laborious setup times, disruptive false-positives/negatives, and complicated 3rd party interpretation.
- Enhance safety and effectiveness – consistently delivering positive surgical outcomes.
- Reduce your costs and the hospital costs – Save Time & Money.
- Allow Sentio to show you the data first-hand during your next spinal, trauma, or orthopedic procedure.



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