SENZIME

TETRAGRAPH® JUST BECAME EVEN MORE POWERFUL

Introducing the Latest EMGINE™ Sirius Software Update

Built on Senzime's 7th-generation electromyography-based algorithm, refined through over six billion real-world data points, **EMG**INE™ Sirius embodies the precision, reliability, and insight that define the next-generation TetraGraph® experience.

While the current software already delivers outstanding results, **EMG**INE Sirius introduces a series of innovative features designed to enhance accuracy, workflow, and decision-support—all available as a complimentary, optional upgrade.

Personalized EMG-Monitoring

TetraGraph® provides objective, quantitative feedback on electrode placement through a visual Signal Strength Gauge and icons, supporting unmatched clinical accuracy whether monitoring begins pre- or post-paralytic. Simply press Auto Play—"Strive for 5, and 8 is great!"—to help guide optimal placement before administering muscle relaxants.

- **0 mV (red):** No signal—check placement
- **< 5 mV (orange):** Poor—consider repositioning of the sensor
- **≥ 5-8 mV (yellow-green):** Acceptable, reliable readings
- **≥ 8 mV (green):** Good, optimal readings

Unified signal icons appear across all screens, extending the same visual feedback throughout the case. Consistency improves confidence and accelerates troubleshooting.

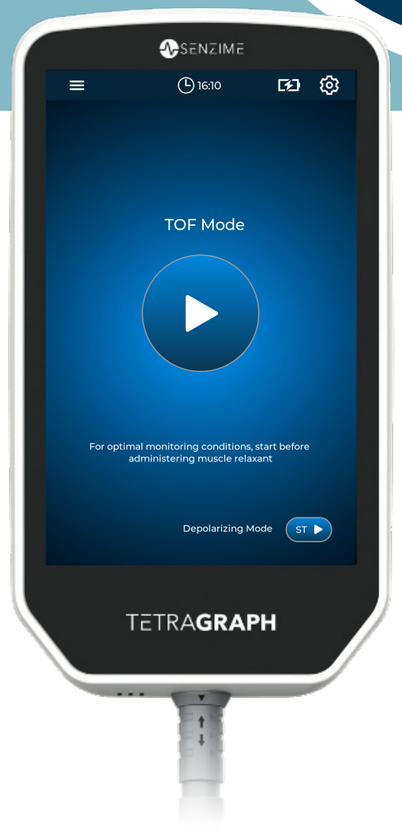
EMGINE™ Sirius

Refined in EMGINE Sirius

When monitoring begins after muscle relaxants have already been administered, the Estimated Signal Strength function intelligently projects the expected pre-relaxant signal based on the current EMG signal and stimulation response.

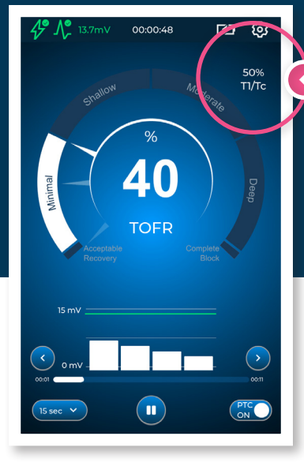
This allows clinicians to validate proper sensor placement even under full block conditions, eliminating guesswork and reducing the need for sensor repositioning once recovery begins.

Together, automated setup and Estimated Signal Strength deliver a complete, adaptive view of electrode placement quality, whether monitoring starts before or after muscle relaxant administration.

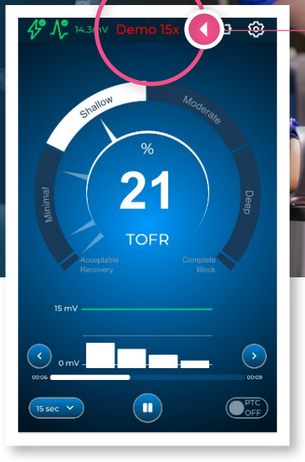


New

green-screen interface for depolarizing (Single-Twitch) mode



50% T1/Tc reading



Demo mode

Single-Twitch Mode for Quick Access

A new Single-Twitch (ST) button makes it faster than ever to toggle between modes. Use ST when a depolarizing neuromuscular blocking agent (NMBA) is given, or start in TOF Mode for non-depolarizing relaxants—supporting seamless workflow from induction through reversal.

Distinct Green Screen for Single-Twitch Mode

EMGINE Sirius introduces a new green-screen interface that instantly identifies Single-Twitch mode. A prominent blue "Go to TOF" button provides a fast return to TOF monitoring. Together, these intuitive color cues streamline navigation and strengthen visual safety awareness in every case.

Intubation Readiness Indicator (T1/Tc)

The T1/Tc ratio displays the relationship between the first twitch and the control twitch, enabling clinicians to assess block depth by tracking the decline in T1 amplitude. This provides a quantifiable indicator of when the vocal cords are fully relaxed and adequately abducted for intubation.

Unlike TOF fade—which can vary widely between patients—T1 suppression is a more direct, consistent, and reliable parameter for identifying optimal intubating conditions.

Adaptive, high-current stimulation capabilities

The system now offers adjustable stimulation up to 80 mA. This expanded range with configurable limits supports challenging cases where higher current is needed to achieve reliable responses, such as in obese or diabetic patients.

Integrated Training and Demo Mode

A new intuitive Demo Mode allows users to walk through a complete next-generation TetraGraph case from start to finish. Powered by real clinical data, it delivers an interactive training experience that showcases all key screens, buttons, and workflows in just minutes—helping new users learn the system quickly and confidently.

New Capabilities and Customization

- **Case Time** for accurate tracking of case duration
- **Improved display of uncertain measurements**, now shown as unfilled values for improved clarity
- **Customizable PTC intervals** to align with clinical preference and workflow
- **Enhanced Trend view** screen featuring upgraded controls and more intuitive navigation

Key Benefits at a Glance

- Guided setup with clear, visual signal-strength feedback
- New Quick Start screen with one-touch access to TOF mode for non-depolarizing NMBAs and Single-Twitch mode for depolarizing agents
- New Intubation Readiness Indicator (T1/Tc) for assessing optimal intubating conditions
- Enhanced color cues and unified iconography for faster mode recognition
- Expanded stimulation range with configurable limits for added flexibility and control
- Faster, more intuitive user interface that streamlines every stage of monitoring

LEARN MORE

Experience the future of quantitative monitoring. Speak to your local representative to upgrade to **EMG**INE Sirius at no charge. Explore the new features at **senzime.com/EMGINE**.

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