With surgeon insight at the heart of our development process, the Neurosign® V4 Intraoperative Nerve Monitor is designed to help the surgeon preserve nerves, allowing the surgeon to concentrate on the surgery, confident that the monitor will warn of nerve proximity.

Neurosign® has built on a long history of experience to create the Neurosign® V4 Intraoperative Nerve Monitor, resulting in an integrated system that is intuitive, simple and upgradeable.

www.neurosignsurgical.com
Neurosign® has a reputation for producing simple, reliable and cost-effective nerve monitors for ENT surgeons. The Neurosign® V4 Intraoperative Nerve Monitor continues this tradition, but uses modern technology to deliver a 4 channel solution for nerve monitoring in ENT surgery - helping surgeons to preserve that nerve!

- **Workflow** - leading the user through logical steps to improve efficiency
- **Cost of ownership** - disposables provide a significant saving against other devices
- **Colour coded EMG Needle Electrodes** - correspond to the active channels on the monitoring screen
- **15” colour touch screen** - no stylus required, use your finger
- **Trolley system** - easily manoeuvrable with self-contained storage
- **Stimulator pod** - allows two stimulating probes to be connected simultaneously

**Storage pockets** - provide storage for pre-amplifier pod, stimulator pod and mute sensor

**Easy to clean** - no sharp corners, storage pockets can be removed for cleaning

**Servicing** - replacement of complete assemblies by service trained personnel

**SURGEON PROFILES**
Surgeon profiles allow for personalised configurations to be created and stored in individual profiles. These profiles can be transferred between Neurosign® V4 Intraoperative Nerve Monitors.

**REPORT GENERATION**
- Capture screenshots both manually and automatically
- Save raw EMG data for further analysis
- Annotate each event
- Exportable to USB

**SURGICAL PROCEDURE**
Default configurations for various surgical procedures enable rapid start-up.

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Main Features:

- Colour coded needle electrodes, pre-amplifier and on-screen channels - ensure that the correct electrodes are connected to the appropriate channels.
- Impedance checking - ensures reliable monitoring during the procedure.
- Primary stimulator for probe to test tissue and map motor nerves.
- Upgradeable pre-amplifier allows for additional application options.
- Manual controls to adjust volume and stimulator levels.
- Muting of electrocautery artifact - automatic muting of monopolar electrocautery and instrument-evoked artifacts.

APPLICATION OVERVIEW

The Neurosign® V4 Intraoperative Nerve Monitor delivers superior performance across the following applications.

- **Mastoid** - including Cochlear Implant, Middle Ear Surgeries
- **Thyroid** - including Parathyroid
- **Parotid** - including Submandibular Gland
- **Skull Base Surgeries** - monitoring of V, VII, IX, X, XI, XII