



KEEPING YOUR NERVE



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.



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.

KEEPING YOUR NERVE

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

Provides easy connection for stimulating probes

Modern, ergonomic design

Clear colour coded channel inputs





Intuitive 15inch touchscreen display

Clear waveforms with peak-hold bar graph

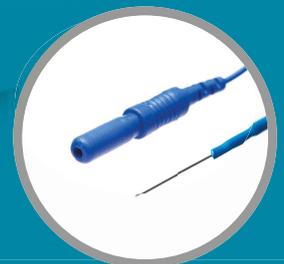
Peak amplitude display

Clear stimulator value

Adjustable volume levels

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