

ADVANCED LARYNGEAL MONITORING

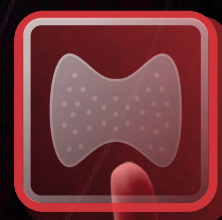
8
CONTACT RECORDING

APPLICATION FIELD
Thyroid surgery



C2 Xplore

One step ahead in IONM



The Ultimate Reliability in Recurrent Laryngeal Nerve Monitoring

Combining the synergistic effects of individual key technologies, the unique **ALM technology** provides the highest reliable complete solution for RLN monitoring.

With 8 measuring contacts, instead of the conventional 2 or 4 contacts, the **Laryngeal Electrode Select** offers optimal signal recording of the vocalis muscle. The 360° surface sensor coverage ensures ultimate signal stability, independent from tube rotation. The innovative and user-friendly **Channel Select Software** always selects and displays the strongest signal precisely. All signals are displayed acoustically and visually via the **C2 Xplore**.

The C2 Xplore is known as a reliable nerve monitoring system for various surgical applications, and is the result of more than 25 years of experience and intensive research in the field of intraoperative neuromonitoring. Developed especially for use in thyroid surgery, the C2 Xplore offers ultimate reliability and best signal quality in RLN monitoring.

These pioneering technologies build an end-to-end solution for innovative and seamless nerve monitoring.

Together with more than 25 years of experience, the ALM technology represents the most innovative cutting-edge technology in thyroid surgery to date.



INTRAOPERATIVE NEUROMONITORING recommended by guidelines

Neuromonitoring is recommended for redo-operation in thyroid surgery by the German Society for General and Visceral Surgery – German Association of Endocrine Surgeons.¹ Therefore, documenting the monitoring process and implementing it as rapidly and intuitively as possible are of critical importance in thyroid surgery.

The C2 Xplore offers a 2D LED scanner to quickly read patient data from barcodes and even from QR codes, effortless integration of data into the patient management system, and many other possibilities for straightforward and fast reporting. The documentation process is supported by an integrated database, on which all measurement and patient data is stored on a long-term basis. The data can be subsequently recalled at any time.

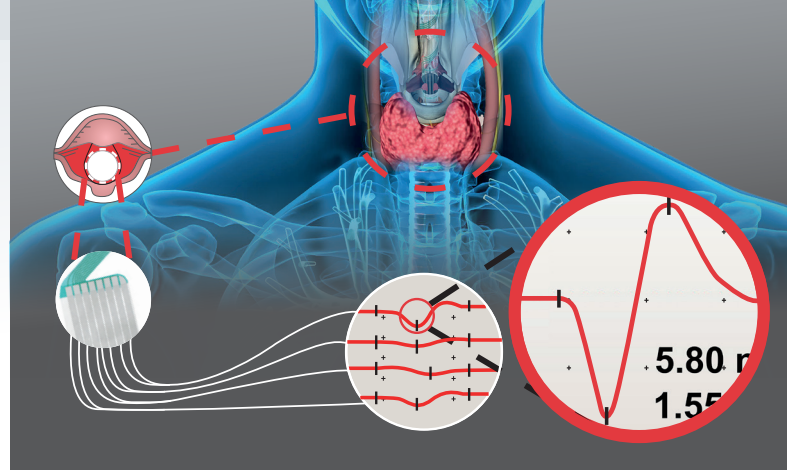
¹ Deutsche Gesellschaft für Allgemein- und Viszeralchirurgie e.V. (DGAV), Leitlinie Operative Therapie benigner Schilddrüsenerkrankungen, Oktober 2015

Advanced Laryngeal Monitoring

Smart technology for a new dynamic monitoring in thyroid surgery



ALM Technology



8

Contacts

4

Channels

1

Best Signal

› RECORDING

Laryngeal Electrode Select

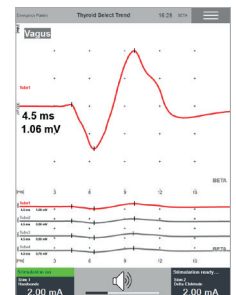
- ›› **Reliable signal recording** resulting from the **360 degree** sensor surface with 8 electrode contacts
- ›› **Signal stability** due to multiple channel recording and the automatic signal selection by the Select Software
- ›› **Extended recording surface** allows easy placement at the vocal cords
- ›› **Extraordinary value** for your money
- ›› Can be used **universally** on all PVC tubes



› SYSTEM

Channel Select

- ›› **Reliable detection** of muscle responses even under poor signal conditions
- ›› **Automatic selection** of the optimal trace from the 4 recording channels of the Laryngeal Electrode Select or the ALM Tube



HL7 ready*

- ›› Network communication based on the **HL7 standard** for synchronization with the hospital management system



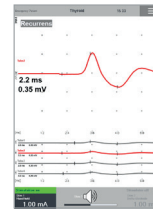
* The installation is project-based and needs to be evaluated within your hospital IT department.

FEATURES

APPLICATION FIELD
Thyroid surgery



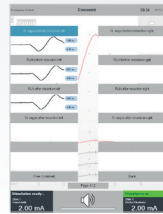
8 contact **Laryngeal Electrode Select** for EMG signal recording at the vocal cords.



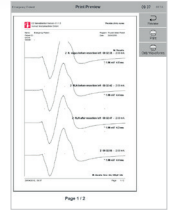
C2 Xplore with its **Channel Select Software** – acquires, selects and displays the optimum muscle signal.

All stimulation responses are automatically stored on the system hard drive. Waveforms can be selected for the report during use via the intuitive **comment function** of the C2 Xplore.

For the comment allocation, comments that have already been set are displayed in an intuitive manner.



Following the surgery, a **patient report** can be created with one touch to be filed in the patient record at the press of a button. Reports can be generated with or without a trend graph.



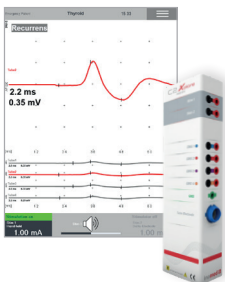
ACCESSORIES



Art. No. **508288**

C2 Xplore

for intraoperative nerve monitoring.
Easy to use Neuromonitor with two integrated stimulation channels, loudspeaker, footswitch and mains lead



Art. No. **508541**

Application package Thyroid and ENT

consisting of software license “Thyroid and ENT”, Head Box and license for 4-channel recording



Art. No. **5140-530-855**

Laryngeal Electrode Select, ID 6-7 mm

Adhesive surface 32 x 29.7 mm, electrode surface 685 mm², with neutral adhesive electrode

- › Single use
- › EO sterilized

Art. No. **5140-530-856**

Laryngeal Electrode Select, ID 7-9mm

Adhesive surface 37 x 37.6 mm, electrode surface 1057 mm², with neutral adhesive electrode

- › Single use
- › EO sterilized

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