

Supports users in improving
surgical safety and efficacy

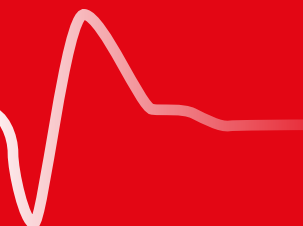


- >> Individually configurable
- >> Easy to use
- >> The complete package for your IOM



ISIS 

The key technology for
**INTRAOPERATIVE
NEUROMONITORING**



Modern medicine demands the highest quality and the best possible results. **INTRAOPERATIVE NEUROMONITORING** enables you to locate nerves, monitor nerve function, and aids to prevent nerve damage. IOM has already become standard in many surgical fields. Make use of the continually evolving possibilities for successful surgery and satisfied patients.

■ Connecting to shape the future of IOM



Leading experts worldwide work with proven inomed technology. Through training and ongoing exchange of information with IOM specialists, you can drive advances in neuromonitoring.

■ Continuous innovation and new fields of use



As a technology leader, we work with renowned experts worldwide on an extensive programme of research and development to continuously create new fields of use and product innovations.

■ Intuitive and user-friendly for quick adaption



Clear interfaces and straightforward user navigation ensure safe use, make it easy to learn how to operate the device, and offer easy handling for beginners and experienced users alike.

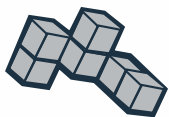
■ A single provider for all IOM needs

We offer complete intraoperative neuromonitoring solutions. Our extensive range of accessories combined with direct, personal contact and fast, on-site service anywhere in the world guarantee that you receive support you can rely on. Our courses and workshops ensure a consistently high standard of service and quality.





■ **Modular structure enables highly configurable systems**



Flexible configuration of measurement modalities and the ability to combine a wide variety of applications mean you can individually tailor IOM templates and modalities to your clinical routine and research.

■ **Developed and manufactured to German quality standards**

With responsibility, attention to detail and a pioneering spirit, we manufacture products which are used in more than 5,000 hospitals in 100 countries to perform around 500,000 operations per year for the benefit of patients and doctors.



■ **Improving efficiency by maximising networking options**



By offering a variety of options for digital networking within your hospital, our systems ensure that the process of managing and integrating all of the captured data is smooth and straightforward.



Become part of the network and shape the future of IOM!

Excellent quality 'German Engineering' combined with maximum versatility and continuous product optimisation have already won over many IOM experts. Become part of the worldwide IOM network!



'To further develop established methods, you need extensive exchange of information and a reliable partner like inomed.'



inomed 

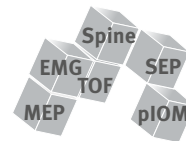
The systems' modular structure and the ability to flexibly combine different ISIS Headboxes and ISIS Neurostimulators means that the system can be individually configured for specific intraoperative neuromonitoring requirements and optionally also for microelectrode recording for deep brain stimulation.

Modular systems for more flexibility:

- Neurosurgery
(tumour surgery, aneurysm surgery)



- Spinal surgery
(stabilisation, decompression, corrective spinal surgery)



- ENT surgery
(parotidectomy, inner ear surgery)



- Pelvic surgery
(rectal resection)



- Awake surgery



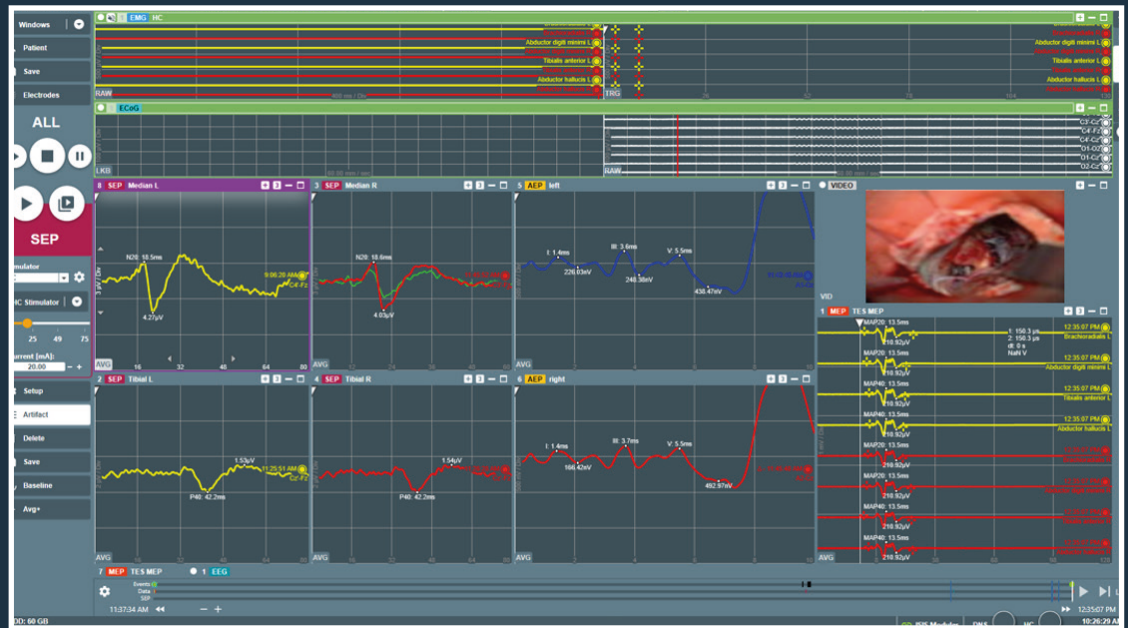
For more information see the insert or visit www.inomed.com



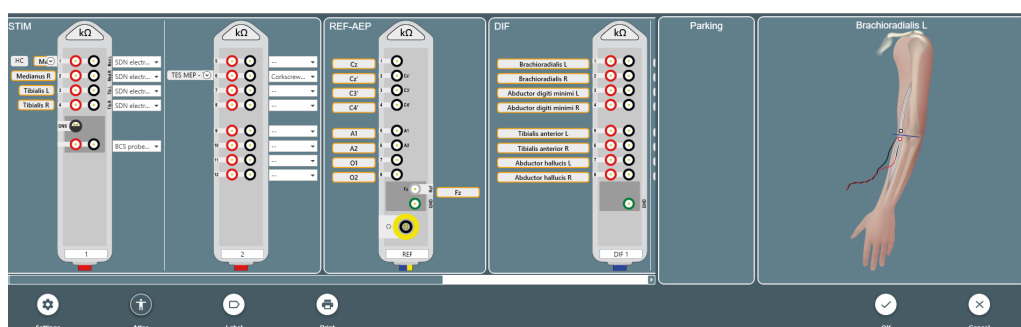
NeuroExplorer

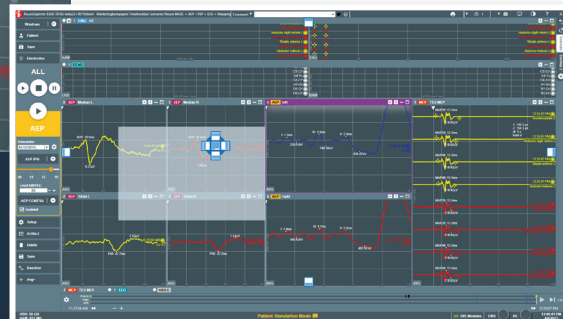
Flexibility on another level – IONM for everyone

The intuitive NeuroExplorer software offers a host of user-friendly functions, ensures clear overview and is quick to master in the often stressful operating room environment.



- Modern look, adapted to the hardware
- **Easy to use** due to beginner-friendly functions, such as Atlas for electrode placement
- **New monitoring possibility:** workflow scheduler. To create your own stimulation workflow, duplicate, group or re-order stimulation windows





- Utilise different graphical features, such as superimposing traces and analysis tables for interpretation
- Use incisive time bar for easy review
- **Compose reports in PDF and DOCX** for easy retrospective adjustment
- **Rapidly add windows or electrodes on the fly** and move them via drag and drop
- **Be the layout artist:** create customised views and desktops to your needs
- **Create and share templates** – save time

SEP Setup: Median R

On	Site	Reference	Use Ref	Color	Blanking	Notch	Hardware Filter Range (mVpp)	Highpass	Display Filter Straighten	Highpass Smooth	Lowpass
1	C3	Fz	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	0.5	<input checked="" type="checkbox"/>	30.00	300.00
2			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	30	<input checked="" type="checkbox"/>	0.50	5000.00
3			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	30	<input checked="" type="checkbox"/>	0.50	5000.00
4			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	30	<input checked="" type="checkbox"/>	0.50	5000.00
5			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	30	<input checked="" type="checkbox"/>	0.50	5000.00
6			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	30	<input checked="" type="checkbox"/>	0.50	5000.00
7			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	30	<input checked="" type="checkbox"/>	0.50	5000.00
8			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	30	<input checked="" type="checkbox"/>	0.50	5000.00

Peak Settings / Window Settings

Peak Detection

Channel: C3 - Fz

Autodetect: ☒ Name: N20 Polarity: ☐ Latency (ms): 20.0

Thresholds

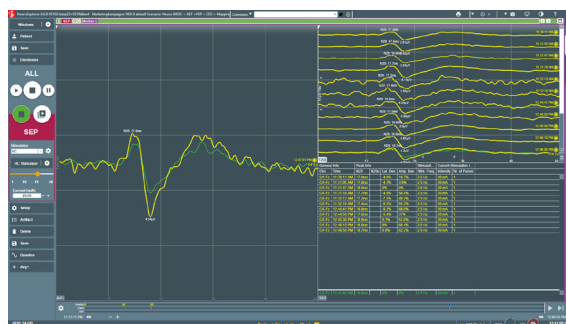
Latency Dev (%): 10 Amplitude Dev (%): 50

Show Notification Window: ☐

Template

- Wide range of pre-set measurement scenarios tested by leading users
- Data export in different formats, such as XLSX, ASCII and EDF

	AEP	ECOG	EEG	EMG	MEP	SEP	SPINE	TCP	VCP
Date	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM
Measurement Types	EMG MEP SEP AEP	EMG MEP SEP AEP	EMG MEP SEP AEP	EMG MEP SEP AEP	EMG MEP SEP AEP	EMG MEP SEP AEP	EMG MEP SEP AEP	EMG MEP SEP AEP	EMG MEP SEP AEP
3 cortical	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM
ase reversal	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM
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	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM
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	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM	2/20/2023 10:30:00 AM



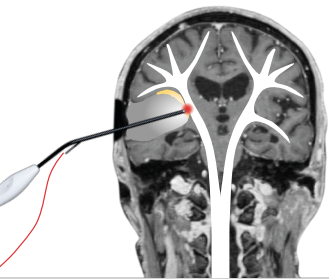
1 MEP TES MEP	Execution Count: 0 / 1 +	Skip Count: 0 / 0 +	5 AEP left	Execution Count: 0 / 1 +	Skip Count: 0 / 0 +
Shared Items	Execution Count: 0 / 1 +	Skip Count: 0 / 0 +	6 AEP right	Execution Count: 0 / 1 +	Skip Count: 0 / 0 +
3 SEP Median R					
4 SEP Tibial R					
2 SEP Tibial L					
8 SEP Median L					
7 MEP TES MEP	Execution Count: 0 / 1 +	Skip Count: 0 / 0 +			

Technology leadership –
because passion matters!

ISIS **XPERT**



Get set for the future of neuromonitoring with inomed: We work with international IOM experts to develop innovative procedures and products.



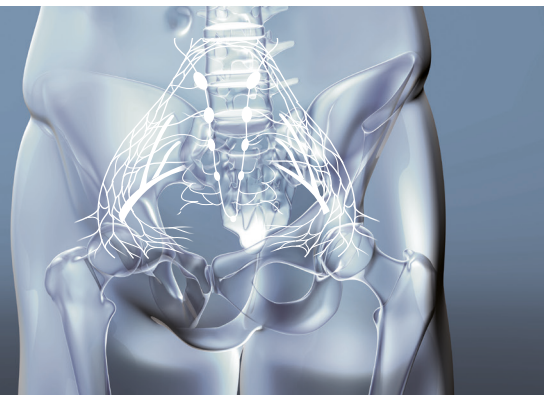
Tumour resection in eloquent brain areas – continuous dynamic pyramidal tract mapping

With the Mapping Suction Probe among others for continuous mapping by Raabe you can resect the tumour and map functional pathways in one go. With continuous acoustic feedback, it is possible to support users in function-preserving surgery closer to the primary motor areas.

Take a look at our continuous dynamic mapping video!



pIOM[®]



pIOM: A groundbreaking advance in pelvic surgery

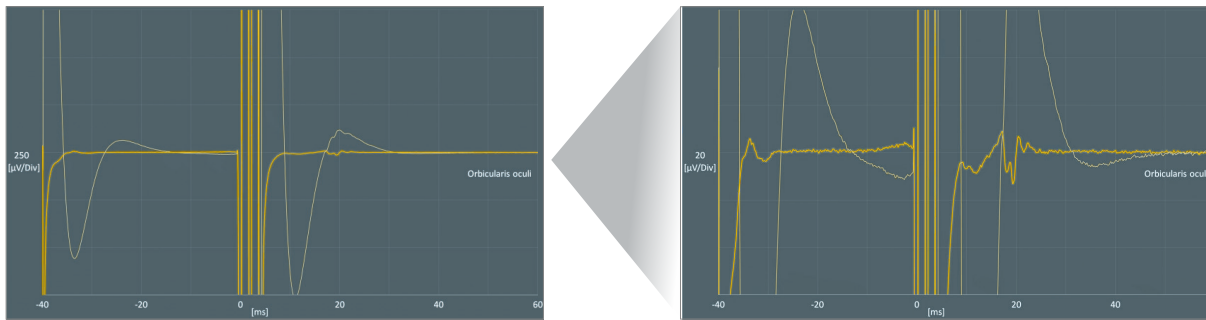
The difficult anatomical conditions in the pelvis mean that avoiding nerve damage requires the very latest technology. inomed has teamed up with dedicated surgeons to enable anal sphincter and bladder pressure monitoring to be integrated into multimodal monitoring. The significant positive effect on functional integrity was shown in a randomised, multicentre study.^[1]

Would you like more details about pelvic monitoring? Take a look at our pIOM brochure!



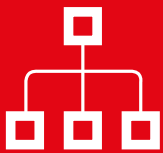
^[1] W. Kneist, et al., "Pelvic Intraoperative Neuromonitoring Prevents Dysfunction in Patients with Rectal Cancer: Results from a Multicenter, Randomized, Controlled Clinical Trial of a NEUROmonitoring System (NEUROS)", Annals of Surgery (2022), DOI: 10.1097/SLA.0000000000005676.

— Standard (pale yellow)
— With stimulation artefact reduction (yellow)



Artefact-free recording through stimulator design

The brand-new, German patented stimulation artefact reduction technology allows displaying even very short-latency and low-amplitude signals. D-wave or corticobulbar MEPs: less overlay means better interpretation possibilities.



Digital networking

In the digital era, efficiency can be improved by combining multiple applications. To this end, inomed devices feature a range of different networking options.

- NEX Sync database for linking your IOM devices
- HL7*/GDT for connecting to hospital networks
- Remote support and remote monitoring, from in- and outside the operating room
- Connection to multiple video sources (microscope, navigation, monitors for speech mapping) and synchronous registration on the measurement screen
- Ability to display monitoring data in the surgical microscope (Zeiss Pentero)
- The Screen2Video feature provides excellent documentation and training options

*Not included in the standard package

Doctor and patient safety
is a matter of principle



Invest in a better future for your hospital,
surgeons & patients – with inomed.



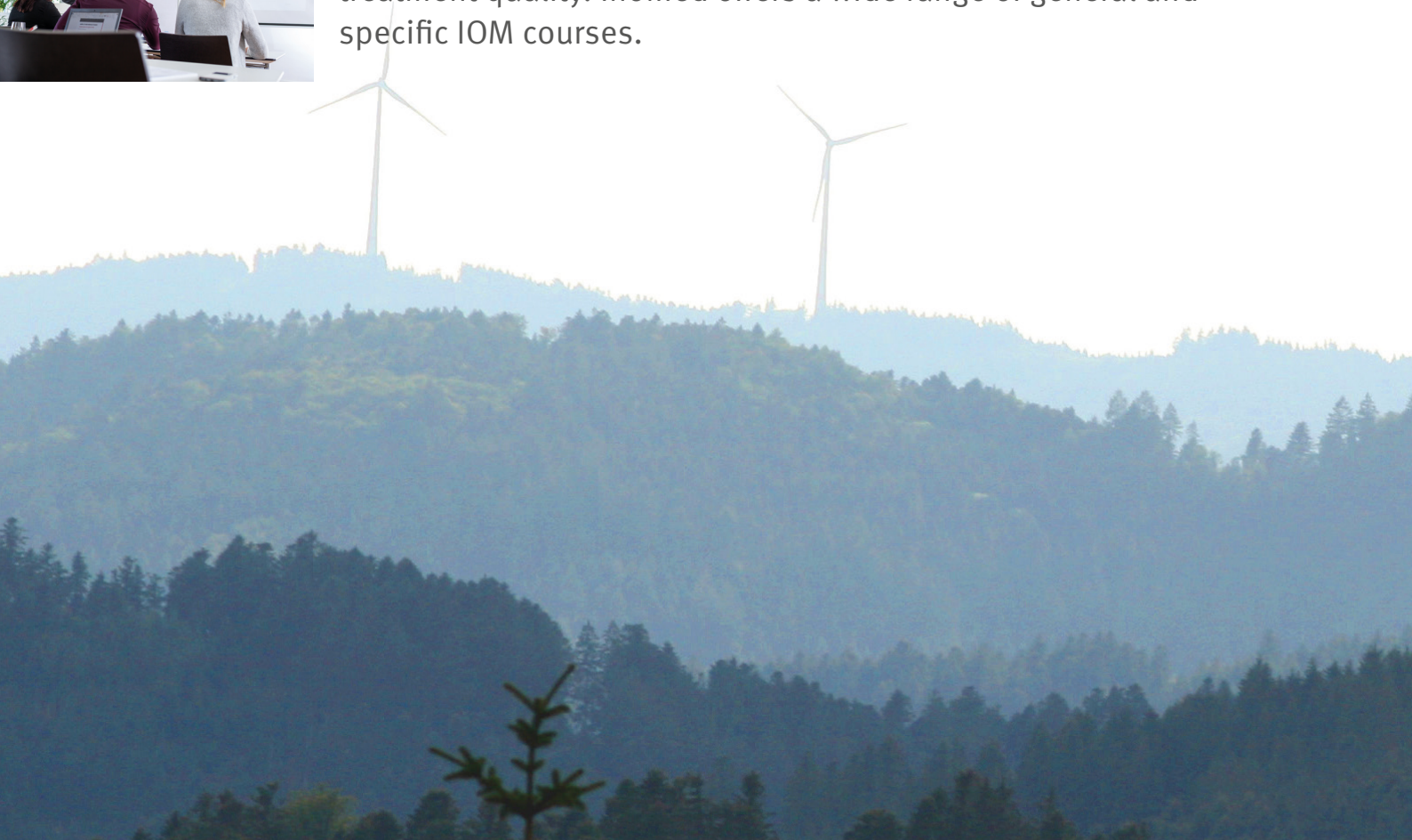
inomed offers a comprehensive range of tailor-made
IOM accessories with the quality you expect.



Here at inomed, we consider it self-evident that high-quality hardware
and software includes first-class service and ongoing support.



Continuous education and training ensure the best possible
treatment quality. inomed offers a wide range of general and
specific IOM courses.





inomed 

‘Engineered in Germany’ Our devices are developed and
manufactured in Southern Germany – a leading location for high-tech businesses.
That is how we deliver products of the highest quality that you can rely on!

5,000 hospitals are working with our products in

100 countries over the course of approximately

500,000 operations annually.

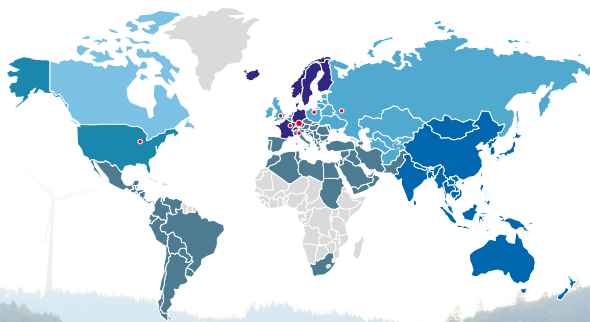




Headquarters in Emmendingen near the Black Forest in Southern Germany

Excellence is the key

inomed develops and manufactures medical devices for a range of intraoperative applications. The company's core competence is **INTRAOPERATIVE NEUROMONITORING**, where inomed is a world leader with a wide range of systems and services. Other important fields include **functional neurosurgery and pain treatment**. The company established its pioneering technology in 1991, when it successfully introduced the first nerve monitoring system. Today, inomed German quality products monitor the safety of patients and support doctors in over 5,000 hospitals in 100 countries over the course of approximately 500,000 operations annually. Responsibility for this success lies with a team of over 400 employees spread between our headquarters, several subsidiaries and direct sales operations in 8 European countries. inomed products for direct sales are also available from trained medical equipment suppliers in more than 100 other countries.



Would you like more information about inomed products?
Take a look at our video!