

Welcome to the Compumedics family **Compumedics alpha trace**





Dr. David Burton, Ph.D.
CEO Compumedics Limited

Compumedics was established in Melbourne in 1987, when Dr. David Burton, the now Executive Chairman, but then a slightly “younger” research engineer was approached by Dr. Murray Johns of the Epworth Medical Clinic in Melbourne to design and install the first Australian and Asia Pacific, fully computerized Sleep Clinic.

Following the success of the Epworth Sleep Clinic installation in 1989, Compumedics initially focused on the development of products that sold into the growing Sleep Clinical, research and home monitoring markets. This led to the release in 1991 of Compumedics’ S-Series™ laboratory sleep system and later the P-Series™ portable systems. Compumedics achieved technology endorsement, when in 1995, NASA chose its P-Series™ for two separate contracts, the first involving Space Shuttle mission preparation, and the second the international space station mission preparation. The P-Series™ was further endorsed when the Company won the right, against considerable international competition, to supply diagnostic equipment to the largest sleep study of its kind, the USA-funded Sleep Heart Health Study (SHHS). Compumedics obtained its first FDA clearance in 1997 and in 1999 Compumedics established an office in Minneapolis, Minnesota USA. Compumedics listed on the Australian stock exchange in Dec 2000. In April 2002, Compumedics purchased Neuroscan, the world’s premier developer of EEG and Evoked Potential systems for neurological research. This purchase firmly secured Compumedics’ position as a leader in this rapidly growing field of medicine.

Compumedics has leveraged its Sleep Diagnostics technology platform to develop new opportunities in clinical neurological diagnostics, brain mapping and Doppler ultrasonography and continues to build a world-class medical diagnostics technology company. Today, Compumedics’ innovative solutions range from high definition Sleep/EEG diagnostics Grael® range coupled with the latest in cloud-based data management Profusion neXus 360™ to cutting edge MEG, the Orion LifeSpan™ MEG.

We are honoured and encouraged to announce today the union of alpha trace and Compumedics, with a special focus on expanding our clinical neurodiagnostic patient monitoring solutions across areas such as electromyography and evoked potential diagnostics, including well-proven and established quality nerve conduction diagnostic capabilities. The unification of our Companies will enable seamless merger of alpha trace solutions coupled with Compumedics clinic-in-the-Cloud clinical and research data enterprise capabilities (Profusion neXus 360™), along with combinations of alpha trace and Compumedics end-to-end seamless patient care solutions.

Most importantly, our combined customer and patient-care focus will strengthen our support for existent and future alpha trace and Compumedics European clients, as well as abroad. Today Compumedics is a world-leading sleep and neuro-diagnostic developer and supplier of medical systems based in Victoria, Australia, having generated over \$700 million of medical equipment export sales including over 30,000 systems installed world-wide. Compumedics’ clients include Albert Einstein Brain Centre, Mayo, Stanford, Tokyo University, Beijing University, the Vatican, and NASA.

We are excited that alpha trace joins the Compumedics group. alpha trace is an excellent strategic fit, with shared values for a strong and dedicated customer focus and product innovation. The Compumedics alpha trace union opens to customers in the DACH region, and the world at large, with access to an unparalleled suite of Compumedics’ advanced sleep and neurology innovations from clinical diagnostics to research applications. Importantly, Compumedics alpha trace bolsters the already dedicated customer support from Austria with Compumedics’ established presence in Germany.

The greatest ongoing testimony to the collective achievements of Compumedics, Neuroscan, DWL and now proudly I include alpha trace, is our unified contributions and associated health and benefits helping to positively transform and save many lives world-wide, whilst continuing to strive towards setting new standards of innovative medical technology and solutions. The establishment of this unified but individually responsible, proud and culturally diverse approach also continues to drive globally, enhanced and continually improving research, educational, and overall healthcare and wellbeing solutions with our clients and collaborations.

Dr. Dieter Grossegger established alpha trace in 1980 from his European base in Austria, and in the ensuing years then developed and successfully brought to market one of the world’s first truly digital PC-based EEG systems, followed by clinical EP/EMG and PSG systems.

Compumedics and alpha trace similarity of evolution, as well as shared culture, values and aspirations moving forward, provide a remarkable foundation for the most important and positive combined journey ahead.

We warmly invite you to join us on this journey and explore the new possibilities that Compumedics and Compumedics alpha trace brings you and your patient care for today and the future.

Best regards,

Dr. David Burton, Ph.D.

Executive Chairman and Chief Executive Officer
Compumedics Limited



Dr. Dieter Grossegger, Ph.D.
Compumedics alpha trace

The Power of our Synergy

- *140 years of collective experience in sleep and neurology diagnostics and research*
- *Complete and comprehensive range of Sleep and Neurology solutions from routine to high end epilepsy monitoring and advanced brain research*
- *Established presence in the DACH region*
- *Trusted by renown establishments globally*
- *Innovation leadership for better patient outcomes*
- *Dedicated focus on customer excellence*

‘ I would like to share my excitement, since together with Compumedics we have an offer for our existing and new customers covering the whole range from routine applications through high end Epilepsy Monitoring to top-level products for scientific research. ’

After finishing my electronics studies at Vienna’s Technical University it was clear that I wanted to work in the field of Neurophysiology. Together with a study colleague of mine, Peter Anderer, we started at the newly established sleep lab of Prof. Saletu. Here we analyzed data for Pharmacology EEG-studies. To learn more about the medical aspects of our research I applied for a Fulbright grant and succeeded to become a research assistant at the biomedical engineering department in Miami, Florida. I finished my PhD studies in Miami and then returned back to Vienna, Austria to establish my own company in 1980. For my study colleague who had stayed at the General University Hospital in Vienna we developed a PC-based system to digitize EEG-data from a paper recorder and then analyze the data with FFT and brain mapping. This became our first successful product in Europe. With support from the Austrian Research Promotion Agency (FFG) we then developed one of the worldwide first truly digital PC-based EEG systems, bringing the product to market in the late 1980s. We then started to complete our offering for Neurophysiology by introducing PSG and finally EP/EMG technology. Today we offer the complete range of alpha trace products for the routine user in Neurophysiology. Due to the mediation by David Vermeiren I got to know Dr. David Burton, founder of Compumedics, an Australian key player in the field with international reputation. It became clear for both of us, that this was the unique opportunity to join forces in a world that has grown together so much where international experience, innovative products and excellent support are key to market success.

I would like to share my excitement, since together with Compumedics we have an offer for our existing and new customers covering the whole range from routine applications through high end Epilepsy Monitoring to top-level products for scientific research. I invite you to browse through the following pages to judge our tradition and dedication for new product development paired with a commitment for excellent customer support.

Yours sincerely,

Dr. Dieter Grossegger, Ph.D.

Managing Director
Compumedics alpha trace

Trusted Locally



Prim. Univ.-Prof. Dr. Gerhard Ransmayr



Kepler
Universitäts
Klinikum

“Different EEG systems are in use at our clinic and BMAs / MTFs work with various systems. Most of all they like to work with alpha trace EEG devices. The interface is clear, the operation is user-friendly and alpha trace EEG devices meet all examination requirements and standards. The company’s training courses are very good. As a university hospital, we are interested in researching new aspects of the EEG. Here there was an excellent scientific collaboration with the company alpha trace as part of the PRODEM project regarding the quantitative EEG on the subject of dementia. The alpha trace EEG system is not only ideal for routine use, but also in a scientific context.”



Univ. Prof. Dr. Berndt Urliesberger
Head of clinical Neonatology, medical university of Graz,
Head of Research unit for cerebral development and oximetry research



“We have been working with the company alpha trace, Dr. Grossegger&Drbal GmbH since 1997, this means for 23 years (!) now. The collaboration is in the research area, affects premature babies and newborns, with several focal points, but above all in first aid at the reanimation table. Innovative solutions for issues in the field of polygraphy were always sought, i.e. the conception of measurement setup, data integration and storage. So far, these have not only been solved to our complete satisfaction, but also led to stable hardware and software packages, some of which have been in use for decades. This is unique.”



Prof. Dr. Martin Brüne
Forschungsabteilung für Soziale
Neuropsychiatrie und Evolutionäre Medizin
LWL-Universitätsklinikum Bochum



“We have been using the Compumedics EEG system in our research area and in the clinic since 2017. We use the Compumedics Neuro 64-channel amplifier with the 32-channel and the 64 channel Quik-Cap and evaluate the data with the Compumedics Neuroscan CURRY 8 software. Our experiences so far have been consistently positive; the system is very reliable and the CURRY software offers a wide range of data evaluation options. When we have questions about our scientific evaluation or on the analysis of event-correlated potentials, the CURRY Support was always able to help very quickly and reliably. We would recommend this system for use in research.”



Dr. Susanne Katzensteiner
Neurologist in Vienna



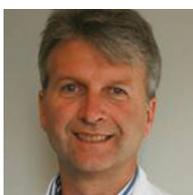
“In my neurodiagnostic practice, I am very satisfied with the alpha trace overall solution for EEG/EMG/EP. I was particularly impressed by the simple user interface and that all applications are implemented via a common database. The connection to the billing software is via a GDT interface and makes my daily work/billing much easier. I was also very impressed by the customer service provided by alpha trace.”



Volker Milnik
MTAF St. Augustin hospital in Düren



“When we changed the EEG system in our clinic, we didn’t want to take the easy, familiar route and instead looked around for innovative systems. Our key requirement above all was simple operation and PC platform compatibility. The systems available on the market differ only insignificantly in terms of EEG quality. The big difference lies in the ease of use, an intuitive interface (graphic working plan), reliable support with prompt problem solving. The system should be robust, reliable and offer the possibility of individual programming. The alpha trace EEG fulfills all of these requirements. For application, technical or special PC questions, we were always able to find a competent alpha trace contact person who provided prompt solutions. After 6 years of EEG use with a mobile unit for the intensive care unit, our decision has been confirmed, with the full satisfaction of all users (MTAs, doctors, IT)”.



Dr. Bernd Kruse
Neuropaediatrics,
Helios Klinikum Hildesheim GmbH



“We have been working with EEG systems from alpha trace in our clinic for many years. In the last four years we have significantly expanded and technically modernized our equipment, including a network integration of all systems. The advice and support from the various employees was very reliable and personal, but also very professional at all times. This enabled us to tailor the devices to our needs, which we are very satisfied with.”



Prof. Dr. rer. nat. Carsten H. Wolters
Institute for Biomagnetism and Biosignal Analysis,
Westfälische Wilhelms-Universität Münster



"For more than two decades my work group and I have been collaborating with the CURRY developers, and we use the CURRY software for our research. In particular, we want to drive new combined EEG and MEG source analysis methods with realistic head models in the various neurophysiological and neuropsychological fields of application. There was always a special focus on improving the presurgical diagnosis of epilepsy, see e.g. (Aydin et al., Plos One, 2014,2015, Aydin et al., Brain Topography, 2017; Rampp et al., Brain, 2019; Antonakakis et al., NeuroImage, 2020).

The CURRY developers and the CURRY helpdesk have always supported us with advice and action, very promptly and accurately. Over the years, CURRY has developed into a powerful toolbox with which we can now support a very large part of our research, from signal pre-processing to multi-modal registration of functional and anatomical modalities to the evaluation and visualization of the results. After the first years of our cooperation which were strongly methodological, in the last few years the clinical successes of the developed procedures became more and more evident, which was only possible due to the close and strongly interdisciplinary collaboration between research and companies.

My work group and I are therefore looking forward to many more years of using the Compumedics Neuroscan CURRY software and have productive collaboration with its developers."



Prim. UP Dr. Reinhold Kerbl
Head of the Department for Children and Young People
at the LKH Hochsteiermark / Leoben
Vice President of the Austrian Society for Sleep Medicine and Sleep Research (ASRA)



"I can still remember how Dr. Grossegger first visited our pediatric sleep laboratory in Graz over 30 years ago. After I introduced him to our polygraphy system at the time, he confidently said "I can do better".

He was right.

Today, I can look back on over three decades of excellent cooperation. During this time, Doctor Grossegger looked after the sleep laboratories I ran - first in Graz, then in Leoben. He was always available for me and was able to answer or clarify all technical and other questions in the shortest possible time. This particularly concerned the implementation of sometimes "unusual" applications and the integration of new external devices.

As far as software and polysomnography evaluation are concerned, alpha trace has participated in all modern developments in recent years, so that we have a very reliable and user-friendly system at our disposal. So it is e.g. also possible to carry out all evaluations either according to Rechtschaffen and Kales or according to AASM.

I am pleased that alpha trace is now looking to expand its field of activity in order to put the "Grossegger family company" on a safe footing in the long term. I wish Doctor Grossegger, his daughter Adeline and the company alpha trace the very best and look forward to further cooperation."



Priv.-Doz. Dr. med. Christian Tiltz
Klinik für Neurologie, Krankenhaus der Barmherzigen
Brüder Regensburg



"We have been using the alpha trace video EEG system for many years. The menu navigation (graphic working plan) is particularly user-friendly and convincing, as it was designed very intuitively and is easy to use, even for new employees. Overall, the system is very stable. For technical questions or problems, the support is convincing, as Dr. Grossegger as developer and direct contact person as well as his team are personally available."



Dr. Franz Griebmayer
Neurologist



"I have known alpha trace for 25 years now. I got to know Dr. Grossegger and the EEG device while I was working in the hospital, and after my move to private practice I was able, fortunately for me, to take over an existing EEG system from the company alpha trace from my predecessor.

I was left with the excellent specialist knowledge and the friendly and reliable, and sometimes also patient, support from Dr. Grossegger. You will always find a friendly ear and indulgence if you bring up an oh so urgent, but actually solvable problem in the hectic of everyday operations.

A personal bond has also developed through common non-professional interests.

This attitude has also carried over to the employees and is continued by his daughters.

Later, I added an NLG / EMG device to my private practice, which I operate to the fullest satisfaction - with the same technical and human advantages.

From a technical point of view, alpha trace continuously develops their products and passes the results on to the customer. I wish the alpha trace company all the best and success for the future - and for myself, continued collaboration with the founder, his companions and employees for a long time."

Trusted Globally - A Global Family

Key Clients

Compumedics has over 30 years of operations and in that time has worked with and established a client list of key opinion leaders worldwide, which include:



Market Leadership

Neurodiagnostics

Current Market position:



Sleep Diagnostics

Current Market position:



Brain Research

Current Market position:



Doppler Ultrasound

Current Market position:



Global Reach. Local Expertise.

We supply our products and services globally. You're never far from a Compumedics representative.



Unsurpassed Customer Support Excellence for the DACH Region

Compumedics Support Contact Details for DACH Region:



Compumedics Neuroscan

Technical enquiries

Email: Curry9help@neuroscan.com

Tel: +49 40 40189947

Sales enquiries

Email: mvanburik@compumedics.com

Order processing

Email: order@compumedics.de

Tel: +49 3731 2596554



Compumedics Europe GmbH

Contact: Frank Dünkel

Email: frankdunkel@compumedics.com

Tel: +49 3731 2596554

Order processing and other support

Email: order@compumedics.de

Tel: +49 3731 2596554



Compumedics DWL

Email: info@dwl.de

Tel: +49 7731 79769 0



Compumedics alpha trace

Dr. Dieter Grossegger

CEO



Adeline Grossegger

Marketing & Sales



Marie-Christine Grossegger

Accounting & Accessories



Philipp Wiltsche

Technical Sales & Support



Erwin Gabler

Software Development



Gebhard Raich

Hardware Development

Compumedics alpha trace

Contact numbers:

Contact: Dieter Grossegger

Email: office@alphatrace.at

Tel: +43 1 368 17 97

Repairs

Germany and Switzerland repairs

Email: service@compumedics.de

Tel: +49 351 50 196 188

Austrian repairs

Email: office@alphatrace.at

Tel: +43 1 368 17 97

Compumedics and alpha trace firsts and strength of innovation.

1987-1988
Globally read TIME magazine cover and article brings the "Trouble with Sleep" to the world.
Compumedics established
Dr. David Burton founded Compumedics to design and manufacture medical electronics. Prior to Compumedics, analysis and diagnosis depended, in large part, upon manual recording methods, which were very time consuming and costly to implement.
Epworth installs first Sleep Disorders Unit
Compumedics' first sleep system was installed at the Epworth Hospital Sleep Disorders Unit (Melbourne, Victoria). TIME magazine and the television series "Beyond 2000" both featured the Epworth sleep center.

1991
S-Series – the first digital sleep system in Asia Pacific
P-Series and S-Series released
Compumedics announced the release of the P-Series Portable Sleep Monitoring System with features including intelligent CPAP control.

1994-1995
NASA contracts won for International Space Station and Space Shuttle flight preparation
NASA chose Compumedics' P-Series Portable Sleep Monitoring System for the 1998 Neuro-mission Space Shuttle flight preparations.
Chosen for world's largest sleep study
Compumedics won the competitive US Government-funded contract to supply the equipment for the world's largest sleep study (6000 patients). The five year Sleep Heart Health Study (SHHS) was won against a field of 22 competitors, including multinationals. Compumedics supplied 40 P-Series Sleep Monitoring Systems along with 9 replay and 6 analysis systems. The equipment selection committee was made up of sleep experts from 11 leading University Hospitals across the USA.

1998-2000
National Aeronautics and Space Administrator
Compumedics recognised
Compumedics was named Australian Exporter of the Year.
Compumedics was awarded the 1998 Governor of Victoria Award for Victorian Exporter of the Year.
Compumedics was awarded the 1998 AusIndustry Innovation Award.
Compumedics was awarded the 1998 Telstra Innovation Award.
Compumedics' ASX listing
Compumedics listed on the Australian Stock Exchange.

2001-2005
Siesta 802™ – World leading wireless system for sleep and EEG – receives FDA clearance.
Compumedics completes first acquisition – Neuroscan.
DWL division established for blood-flow Doppler technology.

2006-2009
Somté® PSG
Grael® PSG/EEG

2010-2012
Compumedics recognised as one of Australia's top 100 Health Innovators through its world leading devices for sleep diagnostics.
Somnlink SPAP receives CE and TGA clearance.
CURRY® SCAN 7 Neuroimaging Suite is released
Compumedics introduces direct selling in France.
Compumedics celebrates its 25 Year Silver Jubilee Anniversary.
Neuvo® LTM, world's first 512 channel wall system is released to market - the Ultimate Long-term Monitoring System.
Grael® HD EEG - High-Definition EEG is released to market.

2013-2014
Beijing Bestmed, Compumedics' China-based distributor invests \$0.5M, becoming a top 10 shareholder - this injection of funds contributes to Compumedics further growth in the China region.
Profusion EEG5 - World class EEG diagnostic software.
Profusion Sleep4 - World class PSG diagnostic software.
Profusion Software

2015-2016
Grael® PSG Grael® LT EEG
New Grael® Range released for market - Grael® PSG, Grael® LT and updates to Grael® and Grael® EEG
Compumedics and KRISS (Korea Research Institute of Standards and Science) officiates technology transfer agreement and MOU for new advanced MEG.
New e-Health Somfit® consumer product is developed -
New Patent Grant Underpins Growth Opportunities for Compumedics' DWL.
- New product development based on patent for system of detecting and treating blood vessel stenosis or occlusions.
\$7.5 Million Sleep Diagnostic Systems Contract with Beijing Bestmed Accelerates Compumedics Strength in China.

2017-2018
Compumedics Signs \$3.6 Million Distribution Agreement with Fukuda Denshi Co., Japan
ONsight™ A.V.S Ambulatory Video EEG Solution
Monitor your patient's home ambulatory studies with CONFIDENCE! EEG with Video recording in "Real Time!"
Compumedics wins major multi-million dollar MEG brain imaging contract.
Orion LifeSpan MEG
ONsight EEG
New product released - Profusion NeXus 360 - A Revolution in Laboratory Management.

2019-2022
Compumedics Announces Successful MEG Installation at Barrow Neurological Institute and second order at China's prestigious Tianjin Normal University (TJNU).
NEW Compumedics Okti® Released for sale in Europe.
Okti® portable EEG

2022



alpha trace



1980 1985
Company founding- with the aim of setting new standards in electrophysiology by digitizing the biosignals.

1987-1990
In collaboration with the medical university of Vienna, AKH, the first PC-based BrainMapping system was presented (B.E.S.T. for Brain Electrical Signal Topography). This solution offered FFT analysis of the EEG data with topographic display options.

1996-1998
Implementation of the first PC-based paperless EEG featuring the 32-channel BSV-EEG amplifier with optical light-guide interface. A dramatic step at that time, especially considering the conservation of paper which has been used for recording and archiving EEG on paper.
PSG system for infants. This system has been developed in response to SIDS (sudden infant death syndrome) and in close cooperation with the University Hospital in Graz.

2001 2002 2005
Release of Windows NT based B4 EEG system with the revolutionary graphic working plan user interface and networked database.
Release of the TC32 amplifier and first implementation of digitized video for time synchronized recording of EEG and patient behavior.
Release of the 1st PC-based 8-channel EP system and full integration with EEG functionality in one system concept featuring a common user interface and network database. This integrated system went into operation in the Neurology department at the General Hospital (AKH) in Vienna.

2010
Release of alpha trace SLEEP PSG system (4th generation) for infants and adults including interfacing to external devices such as TcCO₂, EtCO₂, NIRO.
Release of the 32-channel EPV32 EEG amplifier and market introduction of the first NeuroGraph system for EMG/NCS and EP.

2011-2013
Release of the alpha trace MiniRecorder, a 24-channel EEG recorder, fitting perfectly into the alpha trace product family. Start of using networked digital cameras, integrated into EEG and PSG systems.

2022
Integration of the Compumedics Grael-LT amplifier with the alpha trace Neurospeed software platform for routine EEG.
This is the start of a very exciting cooperation between two innovative companies for the benefit of all existing and new customers.

Company founding 1980
First PC-based BrainMapping system
First PC-based paperless EEG system
First PSG for infants
TC32 Amplifier System
PC-based 8-channel EP system
alpha trace SLEEP PSG system (4th generation)
alpha trace 32-channel EPV32 EEG amplifier
24-channel alpha trace MiniRecorder EEG system



Compumedics Comprehensive Solutions (by application)

INNOVATION. VALUE. VERSATILITY.



Seamless and Integrated Solutions

Clinical Routine

Advanced

Research

HARDWARE



Compumedics GraeL LT®- HD EEG



Compumedics alpha trace NeuroGraph™ EMG



Compumedics GraeL EEG® Neuroimaging Suite - 4K HD



Compumedics GraeL® HD PSG/EEG



ONSight™ A.V.S. Ambulatory EEG Video Solution



Compumedics Neuvo® 512 Channel



Compumedics Okti®



Compumedics Somte® PSG



Compumedics Neuromedical Supplies™



Compumedics Neuroscan™ SynAmps RT®



Compumedics Neuroscan™ MicroMaglink®



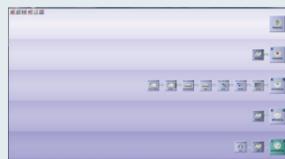
Compumedics Neuroscan™ Orion LifeSpan™ MEG



Compumedics Neuroscan™ Quik Caps®

SOFTWARE

Compumedics alpha trace neurospeed™



Compumedics alpha trace Neurospeed™ Software Platform

compumedics profusion Software Suite



Compumedics Profusion EEG™ Gold Standard EEG Diagnostics Software

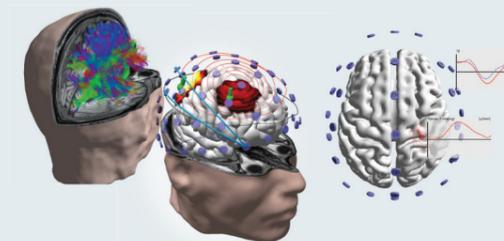


Compumedics Profusion Sleep™ Gold Standard Sleep Diagnostics



Compumedics Profusion NeXus 360™ Web & Cloud based Laboratory Management System

CURRY® Neuroimaging Suite



Compumedics CURRY® Neuroimaging Suite

‘Defining *Life’s* Signals’

Primary Contact details



Compumedics Europe GmbH

Petriplatz 5
09599 Freiberg, Deutschland

Contact: Frank Dünkel

Email: frankdunkel@compumedics.com
Tel: +49 3731 2596554

Order processing and other support

Email: order@compumedics.de
Tel: +49 3731 2596554



Compumedics alpha trace

Ruthgasse 19/1,
A-1190 Wien, Österreich

Contact: Dieter Grossegger

Email: office@alphatrace.at
Tel: +43 1 368 17 97

Repairs

Germany and Switzerland repairs

Email: service@compumedics.de
Tel: +49 351 50196158

Austrian repairs

Email: office@alphatrace.at
Tel: +43 1 368 17 97



Compumedics Neuroscan

Heußweg 25
D-20255 Hamburg, Deutschland

Technical enquiries

Email: Curry9help@neuroscan.com
Tel: +49 40 40189947

Sales enquiries

Email: mvanburik@compumedics.com

Order processing

Email: order@compumedics.de
Tel: +49 3731 2596554



Compumedics DWL

Josef-Schüttler-Straße 2,
D-78224 Singen, Deutschland

Email: info@dwl.de

Tel: +49 7731 79769 0

‘Defining *Life’s* Signals’