

Clinical Applications

Nerve Conduction and Neuromuscular Studies:

Nerve Conduction Test Software

Motor Nerve Conduction, Sensory Nerve Conduction, Combined Motor and Sensory Nerve Conduction, Sympathetic Skin Response, Inching, F Wave, H Reflex, Blink Reflex, Collision

Neuromuscular Studies Test Software

Decrement and High Frequency Repetitive Stimulation

EMG Studies:

All packages include:

- LivePlay™ - instant replay of EMG waveforms with audio; review and analysis of 20 seconds of continuous EMG
- LongTrace™ - display for sampling, review and analysis of extended interference pattern recordings.

Needle EMG Test Software

Free running, triggered, superimposed, rastered, Single MUAP

Quantitative EMG Test Software

Multi MUP (Decomposition) and Interference Pattern (FFT, Experts Quantitative Interference Pattern Analysis, TA)

Single Fibre EMG Test Software

Triggered and Stimulated SFJ, Fibre Density, Macro EMG tests.

Evoked Potentials:

All packages include:

- Unique 5 channel option for ISCEV - standard VEPs
- Software controlled montaging facility at amplifier (not 2 channel instruments)
- Electrode impedance check at amplifier and system.
- Support of a wide range of visual and auditory stimulators.

SEP Test Software

Upper and lower limb SEP, DSEP

AEP Test Software

BAER, CERA, MLR, ECoHG, 40Hz. Includes audio stimulator hardware

VEP Test Software

Flash VEP, Pattern VEP, Flash ERG, Pattern ERG, Combined VEP/ERG, EOG. Includes visual stimulator hardware; monitor is an option

Cognitive EP Test Software

Includes P300 and CNV tests with CNV Response Unit

Optional Medelec Intra-Operative Monitoring Packages:

A wide range of recording and stimulus modalities can be run simultaneously, including EMG and EPs giving the complete neurological picture in real time. This versatility helps

safeguard your patient in the operating room and intensive care unit. Additional tests: Stimulated EMG and MEP

Not only a diagnostic system:

The Synergy systems come with Microsoft Office™ as standard. This includes Word for letters, PowerPoint for presentations, Excel for billing purposes and Access for research purposes.

The systems are also network ready with Microsoft Windows™.

Excellence For Life

© VIASYS HealthCare Inc., 2005. All rights reserved.

Part number: APL 380/12/05

VIASYS HealthCare UK, Manor Way, Old Woking, Surrey, GU22 9JU, UK
Tel: +44 (0) 1483 770331, Fax: +44 (0) 1483 727193



www.VIASYSHEALTHCARE.com



MedelecSynergy

The latest generation EMG/EP systems



Your choice because time is of the essence

Now Viasys Healthcare bring you the latest generation of Medelec Synergy EMG/EP systems – proven instrumentation enhanced with you in mind

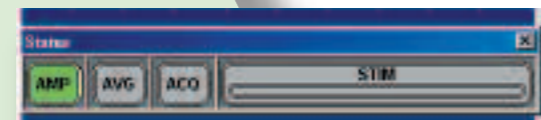
- The new Synergy T series – PC tower-based systems designed for added data storage and networking capability, ideal for the private office and hospital sites
- The new Synergy N series – laptop based systems designed for portability between clinic and office

Medelec Synergy is the only range of EMG/EP instruments that provide consistent software functionality and test protocols from 2 channel nerve conduction studies to 10 channel Evoked Potentials to make your work easier and faster...

Faster Set Up

- Ergonomically designed trolley with height* and monitor angle adjustment so you can be comfortable while you work
- Colour coded connectors* for speedy and intuitive system set-up
- Impedance check on the amplifier** for rapid electrode integrity assurance
- Change your test set-ups rapidly, on the fly

* with EP systems ** with 5 and 10 channel amplifiers



Faster Testing

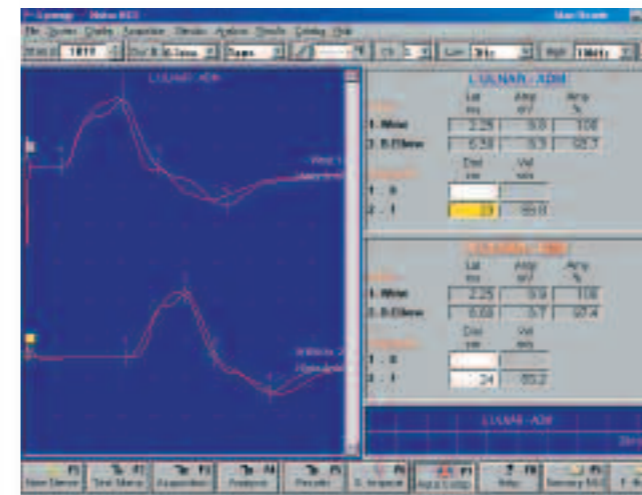
- Fully montagable amplifier because its faster to change montages than electrodes
- Common protocols are stored for speed with Protocol Wizard feature allowing modifications quickly and easily where necessary
- Patient Side Controls mean no more stretching from instrument to patient making your work more comfortable
- Continuous monitor trace alongside acquisition screen allows simple visual checks on signal quality
- Accurate automated marking algorithms saves time placing markers giving quicker results



Faster data review

- Dual SEP stimulators* and unique Autocompare function for instant left and right comparisons without unhooking and rehooking up patient
- Unique LivePlay™ feature stores up to 20 seconds of live EMG data so you can replay and analyse again and again
- Full screen view for easier review at the double click of a button

* on EP systems



Faster Reporting

- Fast on-line reporting available immediately after completion of investigation
- Microsoft Word based system allows you to customise your reports – you can even add the logo of your clinic or hospital. PowerPoint, spell check, cut and paste are all available should you wish to further enhance the design
- Auto-text for rapid summaries where reporting is standard



with the flexibility you ask for from a complete EMG/EP range...

Medelec Synergy - Your choice for 2 channel NCS, EMG and SEP...2 or 5 channel NCS, EMG and EP

The Medelec Synergy 2 channel EMG option is available in two configurations – the N2 (notebook based) system for unrivalled portability between clinics and the T2 (tower based) system for added data storage capability

Synergy N2

- For unrivalled portability, this system consists of just two components: a lightweight laptop and a Patient Interface Unit (PIU)
- The PIU incorporates the amplifier, probe inputs, stimulator and dedicated controls. It can be used patient side for fast testing

Synergy T2

- The T2 gives all the benefits of the successful Synergy software and the PIU with added data storage capability
- An ergonomically designed compact trolley comes as standard
- Deluxe Bipolar Stimulator for patient side NCS testing



The Medelec Synergy 2 or 5 channel option is available in two configurations – the laptop based system for portability between clinics and the tower based system for added data storage capability

Synergy N2EP and N5EP

- Our 2 or 5 channel EP systems come with all the benefits of the Synergy range in an easily mobile format. A trolley is optional.
- The unique 5-channel amplifier allows the ultimate flexibility for combined pattern VEP and ERG recordings
- Built in high quality speakers for loud, clear EMG signals
- Fast recovery amplifiers mean a better response in BAER
- Offers a wide range of VEP stimulus options
- Can interface with and software control external triggers like a VEP monitor
- Unique triple footswitch gives ability to move between Acquisition to Next Site to a programmable function without lifting a finger!
- Ergonomically designed plinth (docking station) and laptop, making it more comfortable to work at
- Key EP connections easily accessible on the side of the plinth (docking station)



- The unique separate control panel means fast and comfortable testing

Synergy T2EP and T5EP

- All the benefits of the Synergy N2EP or N5EP in a PC based system for added data storage capability
- Flat panel display comes as standard for a lightweight, smaller system
- Comes with an ergonomically designed and highly mobile trolley with space for accessories and documents for fast comfortable testing and review



Medelec Synergy - Your choice for 10 channel NCS, EMG and EP

The Medelec Synergy 10 channel option is available in two configurations – the laptop based system for portability between clinics and the tower based system for added data storage capability

UNIQUE Synergy N10EP

- The only 10 channel portable EP system for routine EMG/EP comes with all the benefits of the Synergy range in an easily mobile format. A trolley is optional.
 - The unique 10-channel amplifier allows the ultimate flexibility for combined pattern VEP and ERG recordings
 - The unique separate control panel means fast and comfortable testing
 - Built in high quality speakers for loud clear EMG signals
 - Fast recovery amplifiers mean a better response in BAER
- Offers a wide range of VEP stimulus options
- Can interface with and control external triggers like a VEP monitor
- Unique triple footswitch gives ability to move between Acquisition to Next Site to a programmable function without lifting a finger!
 - Ergonomically designed plinth (docking station) and laptop
 - Key EP connections are easily accessible on the side of the plinth (docking station)

Synergy T10EP

- All the benefits of the Synergy N10EP in a PC based system for added data storage capability
- Flat panel display comes as standard for a lighter weight, smaller system
- Comes with an ergonomically designed and highly mobile trolley with space for accessories and documents, for fast comfortable testing and review

TECA Accessories - renowned reliability, quality and performance

Needle Electrodes



TECA Disposable MyoJect Needles
for Botox™ therapy and nerve block procedures

Length	Needle diameter (mm)	Lead colour	Touchproof Part Number
25mm	0.30 (30G)	Red	MJT-2530-TP
25mm	0.41 (27G)	Yellow	MJT-2527-TP
37mm	0.46 (26G)	Green	MJT-3726-TP
50mm	0.51 (25G)	Blue	MJT-5025-TP
50mm	0.71 (22G)	Black	MJT-5022-TP
75mm	0.71 (22G)	Purple	MJT-7522-TP

10 Needles per box

Disposable Subdermal Needles

with 1.5 metre coloured lead



Single pouches, 25 per box. 5 Needles each of white, red, blue, green and black leads. 12mm Needle Part No. **017K103**, 18mm Needle Part No. **017K105**, 5 multi-coloured needles per pouch, 25 needles per box. 12mm Needle Part No. **017K104**, 18mm Needle Part No. **017K106**

Evoked Potentials

LED Goggles



Ideal for application in IOM and intensive care. Monocular or binocular stimulation can be selected. Goggles are fully adjustable. Part No. **031D043**

Unshielded Headphones



Unshielded TDH49P audiometric headphones with 10ft cable and 180° 5-pin DIN plug. Part No. **040K021**

Disposable Gold Foil Electrodes



Flexible Mylar tab covered with gold foil. 1 metre lead terminating in a touchproof plug. Pack of 10. Part No. **53043T**

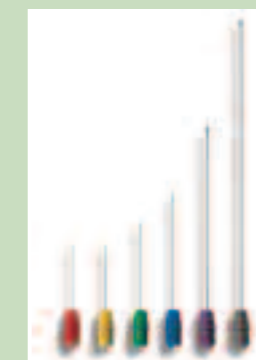
Intra-Auricular Headset



This headset is a stereo version of the Earphone (**S51013**). Due to its light weight and small size, it is ideal for use in IOM, as well as auditory testing of children and neonates. For use with eartips **51019 - 51023**. 1.5 metre lead terminating in 180° 5-pin DIN plug. Part No. **040K024**

Silver/silver Chloride Disc Recording Electrodes

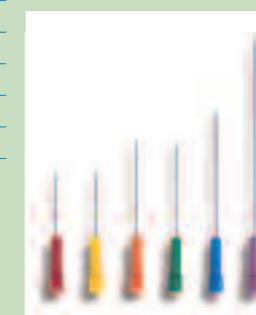
- Fully autoclavable
 - 9mm or 6mm size discs available
 - Cast discs for added durability
 - Double protective seal at electrode end
 - Fine silver (99.9% pure) gives lowest possible artefact
- 1 pair (1 red, 1 black) 9mm disc recording electrodes with 1 metre leads. Part No. **19329T**
- Pack of 12 (2 each of red, black, yellow, green, blue, grey) 9mm disc recording electrodes with 1 metre leads. Part No. **017K004**
- Pack of 24 (as above) with 1 metre leads. Part No. **017K006**
- Pack of 12 (as above) with 2 metre leads. Part No. **017K072**



TECA Disposable Concentric Needles

Length	Needle diameter (mm)	Hub colour	Recording area (mm ²)	Part number
25mm	0.3 (30G)	Red	0.03	X53153
25mm	0.46 (26G)	Yellow	0.07	X53155
37mm	0.46 (26G)	Green	0.07	X53156
50mm	0.46 (26G)	Blue	0.07	X53158
75mm	0.64 (23G)	Violet	0.07	X53159
120mm	0.64 (23G)	Grey	0.07	X53160

25 per box



TECA Disposable Monopolar Needles

Length	Needle diameter (mm)	Hub colour	Recording area (mm ²)	Part Number
25mm	0.36 (28G)	Red	0.28	902-DMF25-TP
25mm	0.46 (26G)	Yellow	0.34	902-DMG25-TP
37mm	0.36 (28G)	Orange	0.28	902-DMF37-TP
37mm	0.46 (26G)	Green	0.34	902-DMG37-TP
50mm	0.46 (26G)	Blue	0.34	902-DMG50-TP
75mm*	0.46 (26G)	Violet	0.34	902-DMG75-TP

48 per box. *Note: Part No. **902-DMG75-TP** in boxes of 24 electrodes



Ground Electrodes

Disposable Surface Electrodes with lead attached

Disposable surface stimulating and recording electrodes with coloured leads. 4 per pack, 12 packs per box. Part No. **900X156**

VEP Monitor

Controlled using Synergy software, for fast easy testing. Part No. **900X158**