Dantec KEYPOINT®

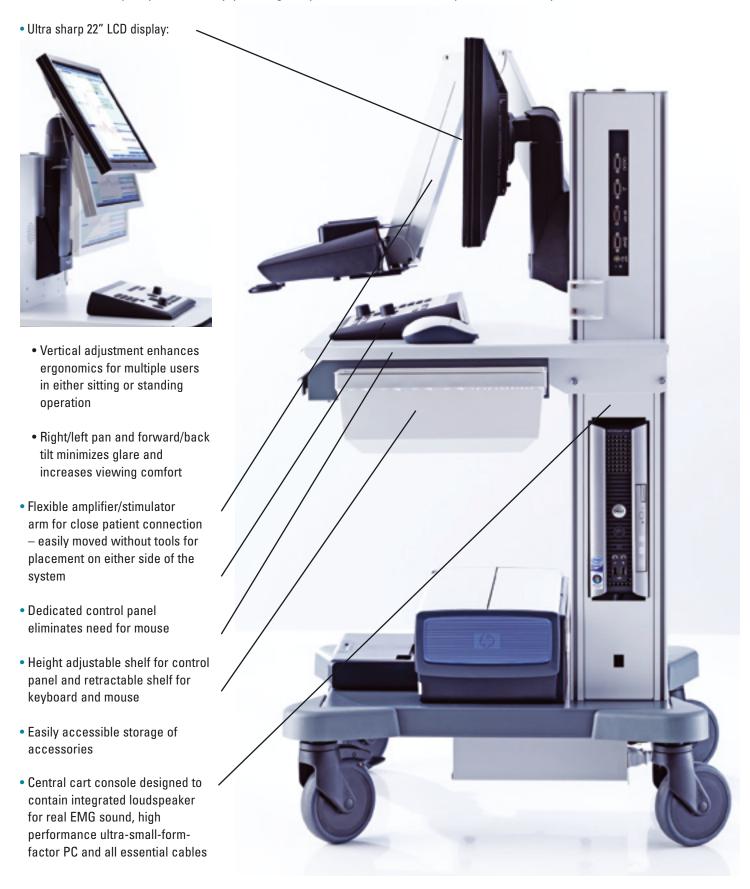
EMG/NCS/EP Workstation





ADVANCED EMG/NCS/EP WORKSTATION DESIGNED FOR CONVENIENCE & FLEXIBILITY

The Dantec Keypoint EMG/NCS/EP Workstation ensures a quick path to diagnostic accuracy. The fourth generation Keypoint sets new standards for test quality and flexibility, providing an optimized workflow from acquisition to final report.



OUTSTANDING RECORDING PERFORMANCE

Industry-leading amplifiers and stimulators feature outstanding signal quality and reliability.

Choose 3, 6 or 8 channel system with dedicated inputs for EMG, NCS and EP recordings using either needle electrodes or surface electrodes.



- High CMRR and Signal-to-Noise ratio for consistent recordings
- Software controlled interconnection of reference inputs
- Electrode impedance measurement with LED feedback

VERSATILE EMG/NCS/EP SOFTWARE

Growing exam volume, Larger data sets per exam, Less time...in today's medical diagnostic environment, the clinical practitioner is confronted with an overwhelming amount of data for interactive analysis. Dantec Keypoint.NET software is designed to meet this challenge with an exclusive suite of flexible, customizable features to improve quality-based performance. Keypoint.NET consists of a number of customizable test templates which supports the following applications.

Test Template	Applications
Motor Nerve	Motor NC
Conduction	Motor Nerve Inching
	Reflex studies
	Silent Period
	Motor Evoked Potentials
	TST (Triple-Stimulation Technique)
	Sympathetic Skin Response
	Collision studies
	Refractory Period
Sensory Nerve	Sensory NC, Near-nerve Sensory NC
Conduction	Mixed NC
	Sensory Nerve Inching
	Micro Neurography
F-Wave	F-Wave testing
H-Reflex	H-Reflex testing
Blink Reflex	Electrical stimulated Blink Reflex
	Mechanical stimulated Blink Reflex
R-R Analysis*	R-R analysis
	R-R valsalva test

Test Template	Applications
EMG	Free-running EMG
	Signal triggered EMG
	Multi-MUP analysis
	TA analysis
	Peak-ratio analysis
	EMG event recorder
Single Fiber EMG	Signal-triggered Single Fiber EMG
	Stimulated Single Fiber EMG
RNS	Decrement test
EMG Monitor	Multi channel EMG
	Tremor assessment
SEP	Upper Extremity SEP
	Lower Extremity SEP
	Dermatome EP
AEP	BAEP, OHL
	MLEP, LLEP
	P300
	CNV
VEP	Pattern Reversal VEP
	Flash VEP, Flash ERG

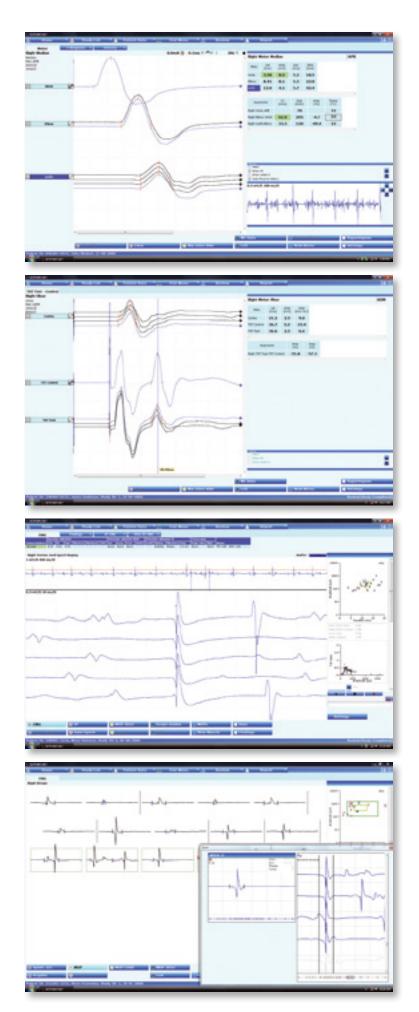
^{*} Not available in the U.S.

VERSATILE NERVE CONDUCTION TESTING

- Auto event marking
- Repeat function per site
- Recordings saved with full acquisition resolution
- · Full flexibility in modality mixing
- Comprehensive setup of reference values
- User-definable and fast NC results summary
- · Separate window for display of background activity
- Choice of waveform background color

ADVANCED EMG TESTING

- Split acquisition display combines long overview display and single-potential raster view
- Multi-MUP EMG Analysis
- Recordings saved with full acquisition resolution
- EMG event recorder function allowing event recordings up to 15 minutes
- · Offline playback with sound
- Comprehensive set-up of reference values
- · Choice of waveform background color



REPORTING

Microsoft® Word-based report generator featuring:

- User-defined report layout including hospital or clinic logo, text fields, table layout and waveform plots
- User-defined column selection in tables
- User-defined table layout
- User-defined nerve and muscle order in tables
- Combine motor, F-wave and sensory test results in one table
- Pre-defined text blocks for user-preferred standard text

STORE & RETRIEVE DATA EFFORTLESSLY

A secure and powerful Microsoft® SQL database, designed for easy file management enables automatic tracking and organization of patient recordings including:

- Patient and study related data
- Test results, settings and waveforms in full resolution
- Reference values
- Reports

NETWORKING

The Keypoint network capabilities were developed to support a wide range of installation sites while focusing on security and reliability. Adaptable to small clinics with no professional IT support, as well as large hospital installations with system access controlled by IT using Active Directory Services.

EMR INTEGRATION

The Keypoint database can be connected to an EMR system using HL7 or SOAP communication protocols. Interfacing with the hospital EMR system includes receiving patient demographic information and sending reports in either Microsoft® Word or XML format.

CONSUMABLES

Natus offers a complete line of quality needle and surface electrodes to complement the outstanding performance of the Dantec Keypoint family of EMG/NCS/EP systems.

me: Doe, Jane 22-08-2009

EMG Laboratory

Neurological Institute 17800 Newhope Street Fountain Valley, CA 92708 Tel: 714-839-8426 Fax: 714-839-8429

Name: Doe, Jane Diagnosis: Date of Birth: 07-04-1939 Physician: Michael Smith, MD Ref. Physician: Grace Dickinson, MD Date of Study: 22-08-2009 Sex: Female Age: 70 Height: 163

Reason for Study

This is a 70 years old patient who had a cerebrovascular accident in March 2008. She stated that since she has been noticing some pain which radiates from the wrist into the hand and up into the elbow and area. She fields that her whole hand is numb. She denied any actual trauma, but the right upper and lo extremities were involved as a result of the cerebrovascular insult.

Findings:

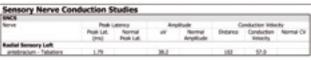
Median motor studies revealed prolonged distal latencies and amplitudes bilaterally. Median F waves w prolonged. Ulnar motor studies revealed prolonged distal latencies, nerve conduction velocities across and amplitudes bilaterally. Ulnar F waves were normal. Radial motor studies revealed normal distal late amplitudes bilaterally. Median sensory studies revealed slowed distal latencies, severe on the right, mot he left with normal amplitudes. Ulnar sensory studies revealed normal distal latencies and normal amp Radial sensory studies revealed mormal distal latencies and normal man Radial sensory studies revealed mormal distal latencies and normal comparison studies revealed median nerve slowing across the wrist bilaterally. Temperature was assess of testing and found to be 32.0.

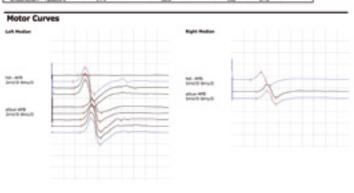
Conclusion

Abnormal study. Electrophysiologic evidence for median neuropathy at both the right wrist, severe as sensory slowing and sensory amplitude loss and left wrist, moderate as evidenced by sensory slowing, asymmetrical comparison studies across the wrists. No electrophysiologic evidence for motor or senso polyneuropathy, ulnar neuropathy at the elbow, brachial plexopathy or cervical radiculopathy. Clinical always indicated.

Michael Smith, M.D.

MINCS									
Neve	Latency		Anglitude		Conduction Velocity			Shortest F Latency	
	Orest Lat.	Normal	mV	Normal Amplitude	Onlance	m/s	Normal CV	ms	Normal P Latency
Hodian Hotor Left	-								
NE APE	14.4	+ 1.9	2.4		62.0			44.4	+ 25.9
albue-hdi.	19.8		2.5		295	44.6	> 50.0		
Median Motor Right									
NEAPE	12.7	< 3.9	3.3		66.0			39.1	< 29.9
albumbd.	16.9		3.1		214	51.0	> 50.8		
Ulmar Hotor Left									
hdi ADM	8.54	< 3.0	2.7		75.0			35.4	4 26.2
sualbue-hot.	12.5		1.83		219	58.2	> 53.3		
numbers, after	15.8		1.00		118	33.7	> 43.0		
D/D-Au/Ea	30.9		1.00		172	55.5	> 53.0		
Asile a abur	17.8		1.46		85.0	42.5	> 46.0		
Wear Motor Right									
NdL-ADM	6.98	< 3.0	2.7		63.0			22.8	4.29.2
sualiser half.	14.2		0.90		207	31.4	> 53.3		
e-album-u-album	15.7		0.86		93.0	41.3	> 43.0		
Grb-Audia	32.6		0.79		179	36.9	> 53.9		
Anile-sustave	18.8		0.83		103	44.0	> 46.0		
Tiblel Motor Left									
Med. red - And hel	8.88	< 4.9	3.5		96.0			11.4	4 52.8
for any Mod. mar.	17.5		3.5		363	42.1	> 42.7		





Both clinical and advanced research environments share the challenge of obtaining high diagnostic yields and accurate data. Our mission at Natus Medical is to create solutions that help healthcare providers meet that challenge. Years of experience dedicated to the field of neurodiagnostic testing went into the development of a new advanced system designed for the productivity-focused electromyographer. Close collaboration with leading hospitals and universities coupled with valuable input from our customers has helped us develop truly revolutionary products that add unique value to your practice.



Please consult www.natus.com for your local sales & service office.

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Caution: Federal Law (USA) restricts this device to sale by or on the order of a physician.

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