

Geodesic EEG System 300



Figure captions clockwise from upper left: 256-channel Routine HCGSN, Geodesic EEG System 300, 256-channel Routine HCGSN, 128-channel Extended Monitoring HCGSN, 128-channel Routine HCGSN (with optional nose bridge and face straps)

A HIGHER LEVEL OF PATIENT CARE

Capture all of the clinically relevant information with EGI's Geodesic EEG System 300. This digital EEG (dEEG) system provides whole head coverage to ensure that activity from both the superior and inferior surfaces of the brain is accurately captured.

The GES 300 dEEG system is available with 32, 64, 128, or 256 electrodes for routine EEG, video EEG, and extended EEG monitoring.

The patient friendly HydroCel Geodesic Sensor Net® requires no scalp preparation, abrasion, odorous glue, or messy paste.

EGI's GES 300 dEEG system is backed by highly trained technical support and science staff.

GES 300 Clinical

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NET STATION SOFTWARE

Record

Acquire data accurately with Net Station's Clinical Interface. All settings are predefined, ensuring consistency from patient to patient. Enter patient data, annotations, and user events. Easily check impedances, select montages, and run photic stimulation protocols. Everything is designed to allow you to spend more time addressing your patient's needs rather than fiddling with software controls.

Video

Record your patient's EEG and synchronized video with the optional Digital Video System. Capture critical visual information for off-line review of your combined data in EEG-centric and videocentric modes.

Montage

Use EGI's Montage Editor in real time or off line to change your view of EEG channels. Use built-in montages including 10-20, 10-10, double banana, left or right mastoid reference, linked mastoid reference, and average reference. Create your own montage using a subset of channels, selected references, and bipolar channels.

Workspace

Create multiple Workspace environments to improve workflow. Each Workspace can contain displays (EEG, spectral, and video) arranged how you like. Each display within a Workspace can have preset parameters, such as voltage amplitude and time scale. Physicians and EEG technologists can have separate Workspace environments designed to present the information that each needs to see.

Review

Use a host of visualization tools, including chart display, voltage potential Topo Map, video review, and spectral display, to inspect a patient study. Insert events during review to prepare the file for segmentation (i.e., pruning or stripping).



Net Station EEG Waveforms and Potential Topo Map

AMPLIFIER

- Acquisition: 32, 64, 128, or 256 EEG channels
- Coupling: DC
- A/D converter: 24 bits
- Digital inputs: 16 bits
- Input impedance: 200 M Ω
- Sampling rate: up to 20,000 Hz for 256 channels
- Amplifier noise: 0.7 μ V RMS/1.4 μ V pp
- Dynamic range: \pm 200 mV
- Precision: 70 nV/bit
- Common mode rejection: 90 dB
- Isolation mode rejection: 120 dB



256-channel Net Amps 300



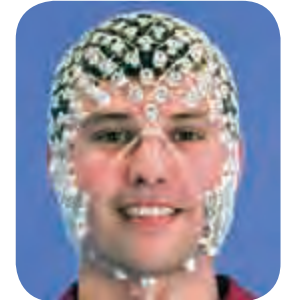
HYDROCEL GEODESIC SENSOR NET®

Comfort

EGI's HCGSN does not require any scalp preparation or abrasion, restraints, or sedation, making it ideally suited for special populations.

Fit

With sizes ranging from infant through adult and configurations for 32, 64, 128, and 256-channels*, clinics can find the right fit for their patients and budget.



256-channel Routine HCGSN

Uses

The HCGSN is available for routine or extended procedures. Use the HCGSN for upright or recumbent recordings with saline-based or gel-based electrolytes.

Design

The unique soft pedestal design of the HydroCel Hydrating Skin Interface Chamber® creates a sealed microenvironment, hydrating the skin and creating an interface between the skin and electrode.

* Not all sizes are available in all styles.

COMPUTER/DISPLAY/CART

- Computer: 2.8 GHz Quad-Core Intel Xeon, 2 GB RAM, 320 GB hard drive, dual link DVI, and Mac OS X
- Monitor: 23-inch Cinema HD Display with 1920 x 1200 optimal resolution
- Cart: Modo cart with accessories holder and keyboard tray; mounts for photic stimulator, monitor, and EEG amplifier

DIGITAL VIDEO SYSTEM (optional add-on)

- Digital Video Camera: Sony Pan/Tilt/Zoom IP camera
- Microphone: Blue Mic Snowball USB microphone
- Lighting: IR light source for nighttime recordings
- Mounting options: wall or cart mount options



Sony PTZ IP Camera

SUPPORT AND TRAINING

- Three-day on-site installation and training
- Training and reference materials
 - Bound and electronic system reference manuals
 - Quick reference placards
 - Instructional DVDs
- Standard and premium level support available
- Two tuition waivers to EGI physician, EEG technician training