

# VERIS™

## Configuration Options

### Anthro Cart with Lower Shelf

**Options:**

- 00, 36, or 48-inch wide utility cart

### Apple Computer Platforms

**Options:**

- Apple iMac 21.5", iMac 27", or Mac Pro computer

**Included:**

- Apple Keyboard & Mouse (if required)
- Thunderbolt, 802.11ac WiFi, USB 3, Bluetooth 4.0, SDXC card slot
- Interface box for all peripherals including stimulators and amplifiers
- Medical Grade Isolation Transformer

Anthro Cart



### Visual Pattern Stimulators

**Options:**

- EMS IV
  - High resolution color microdisplay (1280X1024, response time ~40µs)
  - Single know spherical patient refractive correction range > 20 diopters.
  - When aligned with the eye camera, the refraction does not affect the size of the retinal stimulus (very important when the data are compared with normal references).
  - The IR eye camera permits monitoring of fixation stability during throughout data collection.
  - It does not allow monitoring the patient's point of fixation.
- FMS IV with Through Pupil Illumination
  - Has all the features of the EMS IV plus a built-in IR fundus camera for accurate monitoring of the patient's point of fixation
  - Particularly important when testing patients with low visual acuity (e.g., patients with ARMD) and patients suspected of malingering.

EMS IV



FMS IV



### Fresnel Ganzfeld Stimulators

**Options:**

- For all full-field ERG, VEP, and EOG tests
  - Portable "Silver Bullet" Ganzfeld Stimulator
  - Full-size Ganzfeld 1 (FG 1) Stimulator

**Included:**

- Integrated IR video (eye) camera
- Counterbalanced Instrument Arm
- Ganzfeld Controller
- Cabling & Mounting Hardware

FG 1



SILVER BULLET



## Configuration Options: continued...

- LCD Stimulator

with optional Refractor / Eye Camera (not shown)

These panels are often used for electrophysiology.

They have the disadvantage of non-uniformity in brightness and asymmetric ON/OFF switching.

EDI only recommends this technology when a large screen is required such as with EDI's the Sweep VEP protocols.

EDI counteracts the deficiencies of the LCDs as follows:

1. For multifocal tests a Fresnel lens is added to compensate for the non-uniformities of LCD panels.
2. m-sequence stimulation is used to minimize the effects of the switching asymmetry.

## ERIS Instrumentation Ingenesis Amplifier

### Options:

- Channels available in increments of 2

### Included:

- Ultra-low noise opto-isolated pre-amplifiers.
- All gain and filter setting are remote controlled by the selected protocol (prevents user error)

Ingenesis Amplifier



## VERIS Software (with synchronous sampling for precise timing)

Choose from:

- **VERIS Conventional:** Standard protocols for Flash ERG, Flash VEP, EOG, Pattern ERG, Pattern VEP.
- **VERIS Clinic:** All Conventional tests plus multifocal ERG and VEP protocols. User programmable data presentation and design of reports.
- **VERIS Science:** For basic science and the development and optimization of new protocols for the clinic. Includes all functions of VERISs Clinic plus user programming of stimulation protocol (programming of stimulation pattern, colors, timing, etc.).
- **VERIS Pro:** Includes all functions of Veris Science plus tools for the advanced research scientist (derivation of responses from the kernel series, derivation of horizontal interactions in the retina and along the visual pathway)
- **VERIS Clinical Trials:** Includes multifocal Student's T-tests for statistical comparison of cohorts of patients and normal subjects

## Electrodes

- JET
- DTL
- Burian Allen Electrodes – Hansen Labs

## ERG / VEP Starter Kit

### Includes:

- One 4 oz jar of Ten20 Conductive Paste
- One 4 oz tube of NuPrep ECG & EEG Abrasive Skin Prepping Gel
- One box of 30 single-use Allergan Refresh Celluvisc Lubricant Eye Drops
- One box of 10 Grass SAFELEAD 10 mm Gold Disc Electrodes with hole and 48" connection wire
- One LED Pilot Red with headband (red LED head-mounted illuminator)

Starter Kit



## Training and Support

- Onsite (1 day) installation & (2 days) training
- 90 days (from installation) online support
- Extended online support options available

# Electro-Diagnostic Imaging, Inc. (EDI)

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