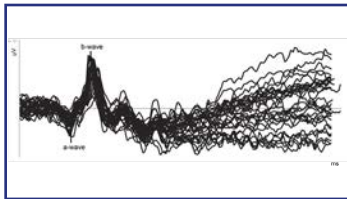diagnosys

leading the wave

PROFILE

Mobile Visual Electrophysiology System

Red Profile™ System

The world's leading Ganzfeld stimulator, ColorDome™ has a trillion-to-1 luminance range and flash durations from nanoseconds to hours

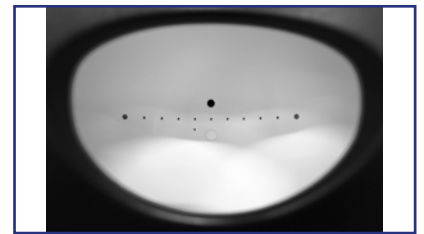Unmatched repeatability of ERG responses from 15 different systems.

Operating Room

ColorDome operating room arm option is designed for optimal use of the Red Profile system in the OR for supine patients

ColorFlash™

Handheld Flash ERG/VEP stimulator option; enables Pediatric and Operating Room ERG/VEP testing

ColorDome Modules

Optional modules further expand system value:

- Pupillometry
- Dark adaptometry
- Diagnosys*FST*®

Not all products are available in every country and their use may be limited by local regulations. Contact your local Diagnosys representative for more information.

Blue Profile System

Our advanced high brightness and fast response monitors are custom engineered to enable very effective clinical diagnostic testing

LCD monitor features:

- Brightness up to 1,000 cd/m^2
- Contrast up to 3,000:1
- Compact screen sizes

32-Bit Amplifier

Unprecedented 1 nano Volt resolution and illuminated receptacles guide lead insertion and electrode contact quality

Integrated Computer

Desktop all-in-one computer with Espion software and SQL relational database enables fast testing and reporting; computer can be off-cart (Europe only)

Pattern Stimulator

Fully compliant ISCEV standard PERG and pVEP are delivered using the miniature OLED monitor which enables unprecendented repeatability

Profile System
Mobile Visual Electrophysiology System

diagnosys
leading the wave

Profile™ Features

3rd Generation advanced performance
- All visual electrophysiology tests possible
- Industry leading 32-bit amplifiers: <1 Nano-Volt resolution
- ColorDome™ has a *trillion-to-1* luminance range
- Unprecedented ERG repeatability

Profile system shown in a "Red Cart" configuration, including ColorDome on an operating room arm

Modular, full features, easy to use
- 5 powerful stimulators you can mix & match
- Most cost effective mobile system on the market
- Set up system and initiate testing in hours
- Unique, electrode testing amplifier speeds patient set-up

Choose from the broadest range of stimulators in the industry:

Stimulator	ColorDome	Performance LCD	ColorBurst	ColorFlash	Envoy Mini Pattern Stimulator
Primary use	Ganzfeld full-field ERG and EOG	Pattern stimulator	Monocular, OR, handheld Ganzfeld	Pediatric, binocular flash	Pattern ERG, VEP
Applications	Full range of retina functional test: clinical diagnostics, clinical trials, clinical safety studies, stem cell & genetic research, Neuro-ophthalmology, R&D, advanced diagnostics				
Protocols	ISCEV full-field ERG (5 tests)	ISCEV multi-focal ERG (mfERG)	ISCEV full-field ERG (5 tests)	Light-adapted flash ERG	ISCEV PERG
	All ISCEV Extended ERG protocols	Pattern VEP	All ISCEV Extended ERG protocols	Dark-adapted flash ERG	ISCEV Pattern VEP
	Long duration flash, Double flash ERG	Uniform field PERG	Long duration flash, Double flash ERG	Flash VEP	Multi-focal ERG
	Flash Visual Evoked Potential (VEP)	Multi-focal PhNR (mfPhNR)	Flash VEP	PhNR	Uniform field PERG
	Uniform field PERG	Multi-focal VEP	Uniform field PERG	Red flash	
	Photopic negative response (PhNR)	Sweep VEP	PhNR	Double flash ERG	
	Scotopic threshold response			Dark adaptometry	
	EOG			FST	
	Dark adaptometry				
	Pupillometry				
	FST				

Note: see individual stimulator brochures for additional standard protocols and normative data offered. A wide variety of custom protocols are also possible on Diagnosys systems.

Not all products are available in every country and their use may be limited by local regulations. Contact your local Diagnosys representative for more information.

System specifications

Profile Console	• Advanced real-time acquisition system with integrated power isolation • Isolated auxiliary line outlets to meet medical leakage current standards • All-digital filtering • Advanced, medically qualified power-lift cart; hardened, machined aluminum cases
Amplifier	• Full DC 2-Channel, fully differential, 32-bit amplifiers have 1 nano Volt resolution, which provide the highest resolution in the industry; ultra low noise • 5 Volt input range, ensures amplifier will not over-range • Common mode rejection: >100 dB
Stimulators	Refer to individual stimulator brochures
Computer	Desktop all-in-one computer mounted on cart; Runs on Windows® 7 through 10; computer can be off-cart (Europe only)
Espion Software	• Automatic rejection • Peak/trough detect & measure • SQL relational database • Multiple operator modes
Cameras	Included with ColorDome and LCD monitor
Dimensions	• "Red Cart" typical (LxWxH): 59 x 45 x 24 inches (1500 x 1140 x 610 mm) • "Blue Cart" typical (LxWxH): 50 x 31 x 28 inches (1270 x 790 x 710 mm)

Optional accessories

Model	Description
D343	Dark adaptometry module (w/Red Profile)
D196	FST module (w/Red Profile)
D355	Pupillometry module (w/Red Profile)
D370	Sweep VEP module (w/Blue Profile)

Profile system configurations

Model number: D310
Configuration: select 1 option per field below

Note: all systems come with an ERG controller, 32-bit amplifier, computer, Espion software, cart and starter accessory kit.

1. Blue Profile Systems

D310 -	-	-	-	-
B — Blue controller unit	1 — 110 Volt power supply	27F — 27" LCD display, with Fixed Arm, chin rest and fixation camera	1 — Colorburst Handheld Stimulator with Stand	T — Envoy Mini-OLED on a table stand
G — Gold controller unit	2 — 220 Volt power supply	NNN — No LCD display	2 — Colorburst Handheld Stimulator with NO Stand	X — Envoy Mini-OLED on an extendable arm
N — No controller unit	3 — No power supply, 110V cart		N — No Colorburst Handheld Stimulator	B — Envoy Mini-OLED on an extendable arm and also including a table stand
	4 — No power supply, 220V cart			N — No Envoy
	5 — 100 Volt power supply			

2. Red Profile Systems

D310 -	-	-	-	-
R — Red controller unit	1 — 110 Volt power supply	CDXS — ColorDome with Xenon, slider mount and chin rest	1 — Colorburst Handheld Stimulator with Stand	T — Envoy Mini-OLED on a table stand
G — Gold controller unit	2 — 220 Volt power supply	CDXR — ColorDome with Xenon, Operating Room Arm and chin rest	2 — Colorburst Handheld Stimulator with NO Stand	X — Envoy Mini-OLED on an extendable arm
N — No controller unit	3 — No power supply, 110V cart	CDNS — ColorDome with no Xenon, slider mount and chin rest	N — No Colorburst Handheld Stimulator	B — Envoy Mini-OLED on an extendable arm and also including a table stand
	4 — No power supply, 220V cart	CDNR — ColorDome with no Xenon & Operating Room Arm and chin rest		N — No Envoy
	5 — 100 Volt power supply	NNNN — No ColorDome		

3. Platinum Profile Systems

2 systems: choose 1 Red and 1 Blue Profile system in any configuration

4. Gold Profile Systems

2 carts linked together and including one LCD monitor, ColorDome, controller, power unit, computer and amplifier

www.diagnosysllc.com

CE 0413

Simplify your visual electrophysiology

Espion™ software provides detailed test reports that are concise and easy to interpret (ISCEV standard ERG tests using Red Profile system shown).
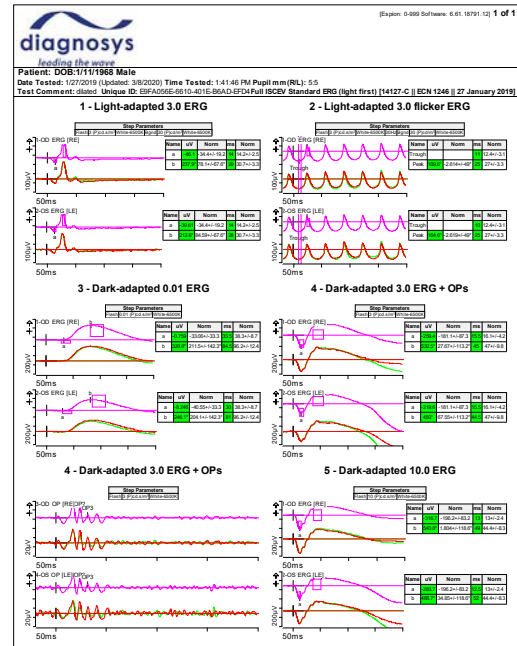
The industry leader.
Decades of experience, thousands of installations.

- Most experienced customer support team in the industry
- Hundreds of peer-reviewed papers published using our systems
- Extensive world-wide network of leading experts operating Diagnosys systems

Ordering information:

Model #: D310

System options:
Normative data for the standard tests
Dark adaptometry module (w/Red Profile)
Diagnosys*FST* module (w/Red Profile)
Pupillometry module (w/Red Profile)
Sweep VEP (w/Blue Profile)
DICOM print module

diagnosys

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Please contact us if you would like more information on Diagnosys products.