

BPM-300 ELECTRODIAGNOSTIC SYSTEM

Conceived especially for the Veterinary Ophthalmologist, the BPM-300, provides complete ERG and VEP testing when used with a Windows™ computer at a fraction of the cost of competitive products. Although primarily intended to assist in screening patients for cataract surgery, it is sophisticated enough to provide accurate data in the research environment as well.

Our original BPM100 and BPM200 Electrodiagnostic Systems are considered the 'standard of care' for Veterinary Ophthalmologists worldwide. Painsstaking effort and attention to detail as well as 22 years experience in the field have gone into the development of our next-generation BPM300.

- Designed to be extremely easy to operate using either a keyboard or mouse pointing device, it features a sleek, intuitive interface based on the popular BPM-200 system.
- When used with a laptop or notebook computer, the system is easily portable. The system is powered by its USB connection to the PC, so no additional power supply is needed.
- No special attention to room shielding is required.
- Lightweight, hand-held, self-contained with full-color stimulator makes testing simpler and more convenient. Adjustable flash intensity, background and flicker rate provide a wide range of optic stimulation.
- Electrode impedance measurements (recording, reference & indifferent) can be performed at any time from within the test environment.

- As many as 256 tests can be averaged to improve accuracy and suppress noise.
- Incoming data can be automatically 'rejected' (not included in the averaged data set) if contaminated by blink, muscle contraction, etc.
- Up to 4 cursors can be applied to each waveform to provide precise amplitude and implicit time measurements.
- A "hard copy" of waveform data can be printed on any Windows™ compatible printer (see reverse for sample color output).
- Improved data management permits virtually unlimited waveform capacity and rapid client record access.

The BPM-300 is offered with a 6' USB interconnect cable, software, electrode test simulator, rugged carrying case, but exclusive of electrodes.

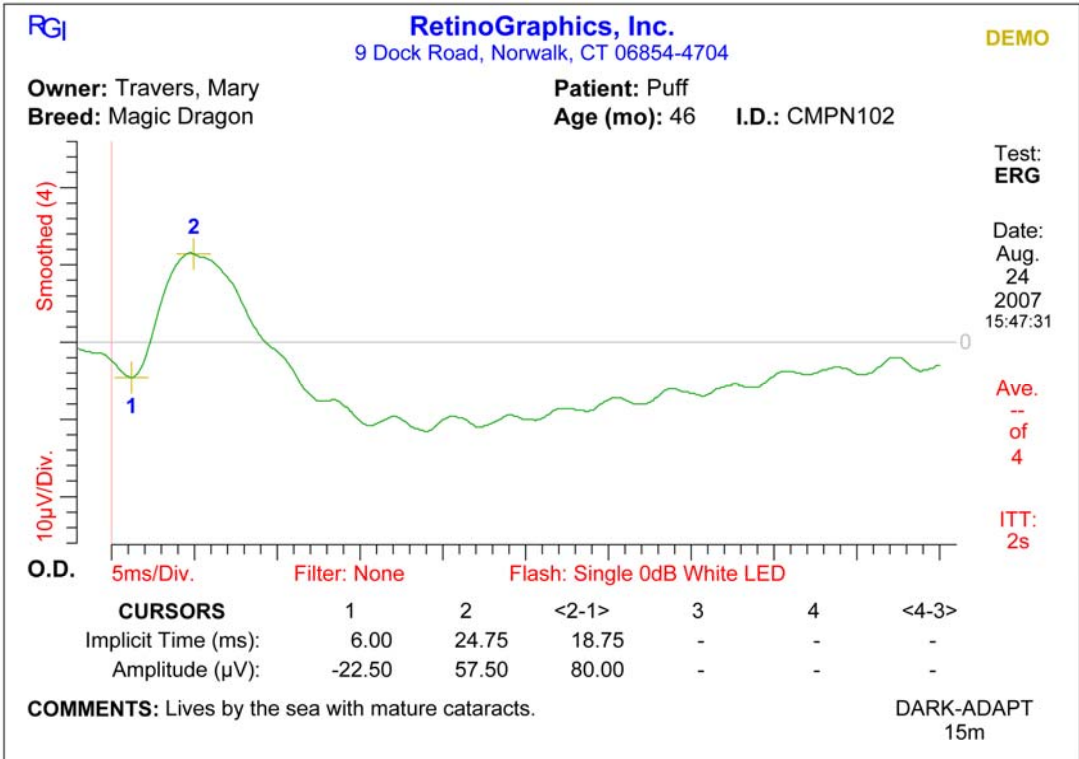
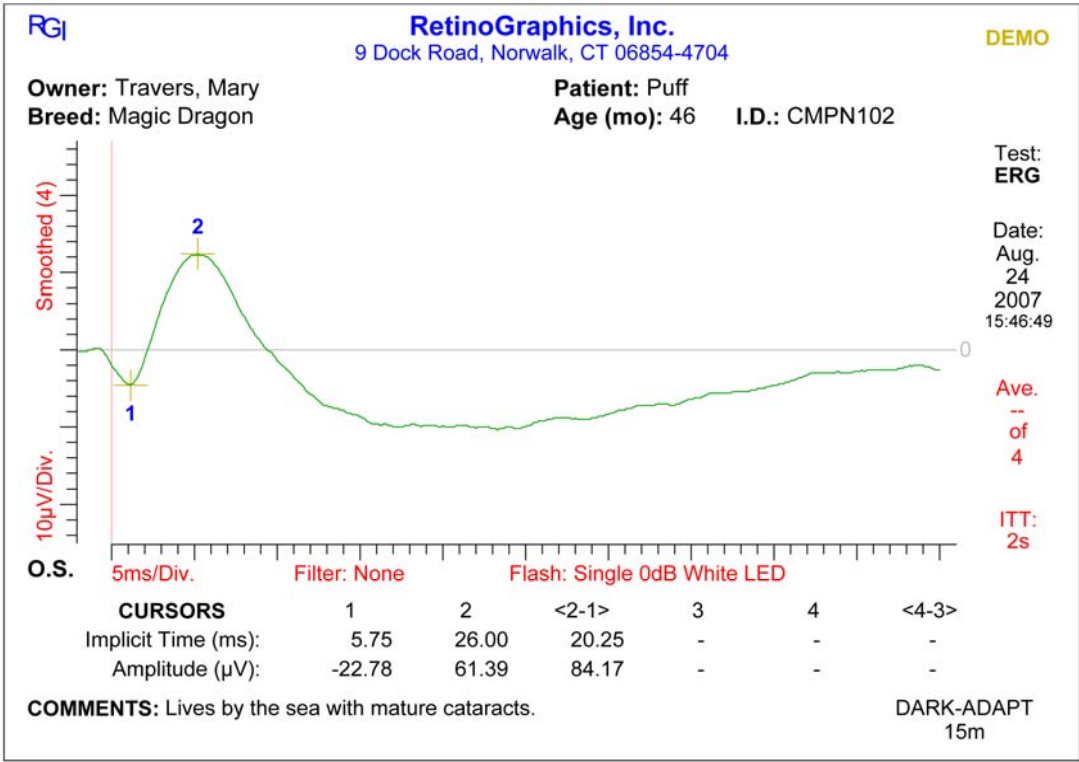
- Software updates within a product type are free for the life of the product.
- Hardware repairs (absent negligence or abuse) and updates are also at no cost. The user is responsible only for shipping.

RetinoGraphics, Inc. was established in 1993 to bring cost-effective, state-of-the-art electronic diagnostic capability to veterinary ophthalmology. More than 500 of our ERG/VEP systems are installed in over 23 countries.

Our reputation and support are unparalleled in the industry. We continuously evaluate technology and customer requirements to improve our product.

SPECIFICATIONS

Sensitivity:	Gain settings of 1, 2, 5, 10, 20, 50, 100 μ V/Div. (26 Div.) Resolution of 1/72 Div.
Band Pass:	High Cut of 400Hz (16-pole Bessel) Low Cut of 0.3Hz or 5.2Hz (2-pole)
Notch Filter:	None, 50Hz, 60Hz
Time Base:	2, 5, 10, 20 ms/Div. (50 Div.); Resolution of 0.25ms
Noise:	<0.6 μ V rms
Input Impedance	$\sim 10^7 \Omega$ differential-mode $>10^9 \Omega$ common-mode
Common-mode Rejection:	>120dB @500Hz and below with 5K Ω source impedance imbalance
Sample Rate	20KHz sub-sampled in software to 4KHz
ADC Resolution	20-bit
Electrode Connectors	1.5mm Male DIN Safety "Touch-Proof"
Stimulus Size	64mm diameter, Diffuse, uniformly illuminated
Flash Intensity	-30dB, -25dB, -20dB, -15dB, -10dB, -5dB, 0dB, +5dB (0db = 2.75 cd-s/m ²)
Flash Duration	15 μ s-5.0ms depending on color & intensity
Flicker Rate	Single, 5Hz, 10Hz, 20Hz, 30Hz, 40Hz, 45Hz, 50Hz, 55Hz, 60Hz, 65Hz
Background Illumination	None, 10, 20, 30, 40 cd/m ²
Power:	Self-powered by USB connection to PC
Size:	92mm x 133mm x 64mm without cables
Weight:	Approx. 5.5oz..
Computer system: (User supplied)	Windows™ compatible; At least 1, powered USB port (500mA)
Operating system: (User supplied)	Windows 2000™ SP4 Windows XP™ 32/it SP3 Windows Vista™ 32/64-bit SP2 Windows 7™, 8™ & 10™ 32/64-bit



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