



Simply put, the CPSpro is the most advanced and easy to use polygraph system available.

The new CPSpro combines the unparalleled accuracy of Stoelting's polygraph hardware with our all-new state-of-the art Fusion software. Designed from the ground up, CPSpro Fusion is loaded with innovative and powerful new features which will provide you with all the tools necessary to efficiently and reliably conduct, score, and report polygraph examinations.

When your reputation is on the line, and the truth is the only thing that matters, you can be confident that the CPSpro provides you with the tools to make the right call. Let CPSpro put science on your side...



CPSpro Hardware

Superb Handcrafted Instruments

Stoelting has been providing quality scientific instruments for more than 125 years, and is backed by strong, professional Neuroscience and Psychological Testing Divisions. Since 1930 Stoelting Company has been on the forefront of design and manufacture of precise and reliable polygraph instrumentation. This third generation Computerized Polygraph System (CPSpro) delivers unparalleled reliability, accuracy, and flexibility.

The CPSpro is the most advanced polygraph currently on the market. CPSpro gives examiners the most flexibility to choose the tools they need to determine truth or deception. With the CPSpro the examinee can decide which types of pneumos to use, traditional "mechanical" pneumos or "electronic" pneumos as the ones used in our sister sciences. The CPSpro allows the examiner to record either skin conductance or skin resistance for measuring EDA. Stoelting also offers cuffs for arm, finger, and forearm.

No other system offers Laboratory-Style Finger Contoured Ag-AgCl electrodes. This is a good choice for examiners to use when EDA signals are not optimal by traditional plates, and when Ag-AgCl adhesives electrodes will not stick to the skin. CPSpro has the ability to use a Plethysmograph as an additional channel for diagnostic criteria. In addition, we have the capacity to record and display Movements, Skin Potential, Voice Events, and have open sensors for future technologies integration, without the need to upgrade to a more expensive data acquisition system.

Stoelting will provide knowledgeable, live support for your current polygraph, and will continue to be at the forefront of technology



and industry standards. We have the professional team and financial resources to provide the best instrument, immediate customer service, and sales support in the polygraph industry.

Top Features

- Updated high resolution 24-bit Analog-to-Digital conversion circuitry and components
- Records up to 13 Channels
- Medical grade Swiss-precision LEMO and Luer inputs and connectors
- Use either electronic or pneumatic respiration transducers for Respiration
- Use either skin conductance or skin resistance for EDA
- Cardiographs support up to 215 mm Hg.
- Update firmware directly from CPSpro Fusion Software
- Meets or exceeds all ASTM standards for digital polygraph instrumentation
- **7 year immediate replacement warranty**



CPSpro Hardware and Software Technical Specifications

CPSpro HARDWARE TECHNICAL SPECIFICATIONS

Dimensions: 6.69 D x 6.10 W x 1.57"H (17.00 x 15.50 x 4.00 cm)
Weight: 14.0 ounces (397 grams)
Connection: USB 2.0 HID
Power Requirements: Receives all required power through USB
Resolution: 24-bit Sigma-Delta ADC
Sampling Rate: Up to 384hz, all data is stored at 60hz
Operating Temperature: 50-95°F (10-35°C) 0-90% humidity (non-condensing)

SENSOR INPUTS

(2) Pneumatic Respiration: ±75 mmHG
(2) Electronic Respiration: 20 to 200 mV into a 1 Mohm load
(1) Cardio Arm Cuff: 0-215 mmHG
(1) Finger Cuff: 0-215 mmHG
(1) Plethysmograph: Infrared LED and photosensor, Excitation: 5VDC
(1) Skin Conductance: 0.5V Constant Voltage, Range .1-100µS, 3kV RMS Isolation
(1) Skin Resistance: 2.5µA Constant Current, Range 100kOhms-10Mohms, 3kV RMS Isolation

(1) Skin Potential: ±100mV, 3kV RMS Isolation
(2) Voice Sub / Exam: -64dB
(1) Auxiliary Input: 10/210 /1000 µA excitation current, ±4V
Digital I/O: Eight TTL-compatible inputs
Eight TTL-compatible outputs

MINIMUM COMPUTER REQUIREMENTS

Windows XP SP3, Vista, or Windows 7* (RECOMMENDED)
Intel Dual- or Quad- Core or AMD Processor @1.8GHz (or better)
2GB RAM for x86 (or 4GB RAM for 64 Bit OS)
XGA display (1024 x 768), 24 bit color Display Adapter
Minimum 128 MB Video RAM

WDDM Compliant
Supports DirectX 9.0
Pixel and Vertex Shader 2.0
CD-RW or DVD-RW – required for burning
10GB available hard disk space.
CPSpro Fusion needs 350 MB to install but you will need additional space for polygraph exams

*If the computer is running Windows 7, a good way to test for compatibility is to access the Windows Experience Index. The Windows Experience Index assesses key system components on a scale of 1.0 to 7.9. A base score of 3.7 will ensure that the computer is capable of running CPSpro Fusion, while a score of 4.5 or higher will ensure smooth operation.

Call, email or visit our website for an instant price quotation



Scan this QR code with your smart phone to go directly to our website



GET THE
Truth
advanced. powerful. easy to use. **Stoelting CPSpro.**



Welcome to CPSpro Fusion

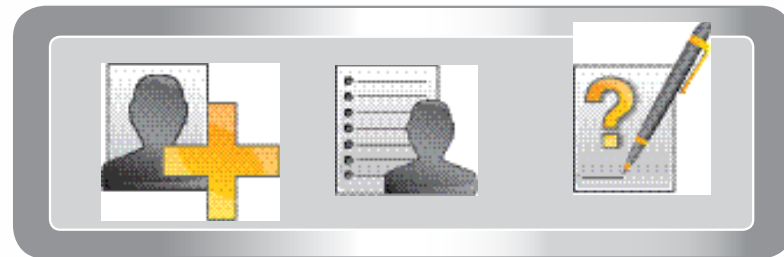
Intuitive. Powerful. Easy to Use.

Designed from the ground up, CPSpro Fusion is loaded with innovative and powerful new features which will provide you with all the tools necessary to efficiently and reliably conduct, score, and report polygraph examinations. The elegant and intuitive user interface is so simple and transparent that you can navigate with extreme ease. Virtually all functions and actions can be accomplished with a single click at any point in the program.

CPSpro Fusion Benefits:

- Quick start landing page
- State-of-the-art chart recorder
- Redesigned and upgraded question editor
- Create custom subject profile templates
- Smart subject search
- Dynamic importing capabilities
- All new automated customized report writing
- All new printing capabilities
- Innovative numerical scoring features
- Scientifically-validated scoring algorithms
- Completely customizable
- Integrated Multilingual User Interface (MUI) for English, Korean, Spanish and Russian
- Guided functionality checks

Our new **Opening Screen** allows you to instantly start your most common tasks with a single mouse click.



Fusion's User Interface Provides a Powerful, Efficient and Intuitive Experience

Click on our new **Quick Access Icons** to create a New Subject, display the Subject List of stored subjects from which to select, or open the Question Editor to create a new question list, or select a question list, from the library of stored question lists.

The Most Advanced Chart Recorder Advances Further

This is the heart and soul of Fusion. In addition to stunning chart quality, Fusion's Chart Recorder is powerful and sophisticated:

- Plots beautiful signals that are clean and very easy to interpret
- 18 chart-scrolling speeds that can be utilized in real time
- Self-centers Cardio and EDA without loss of data on redisplay, enabling you to focus on your subject
- Display of mmHg, Pulse rate, Microsiemens, and Ohms in real time and on chart replay
- Ability to record channels without displaying them
- Easily change the question order, or add a question during the exam
- On-screen annotation list



Redesigned and Upgraded Question Editor

- Quickly and efficiently develop question lists for one subject or multiple subjects
- Examiner-created question library for instant retrieval of stored questions
- Built-in word processor capabilities
- Spell check
- Easily create, retrieve, and change exam question sequences
- Click and drag questions to reorder them for different sequences



All New Printing and Video Capabilities

- Fully customizable print options
- Chart printouts look just as good on paper as they do on your screen
- A single print job can print charts and exam documents from two separate printers
- Record an entire exam and automatically have synchronized video
- Take picture of your subject during live recording
- Windows Media Video (WMV) provides high quality compressed video

All New Report Writing

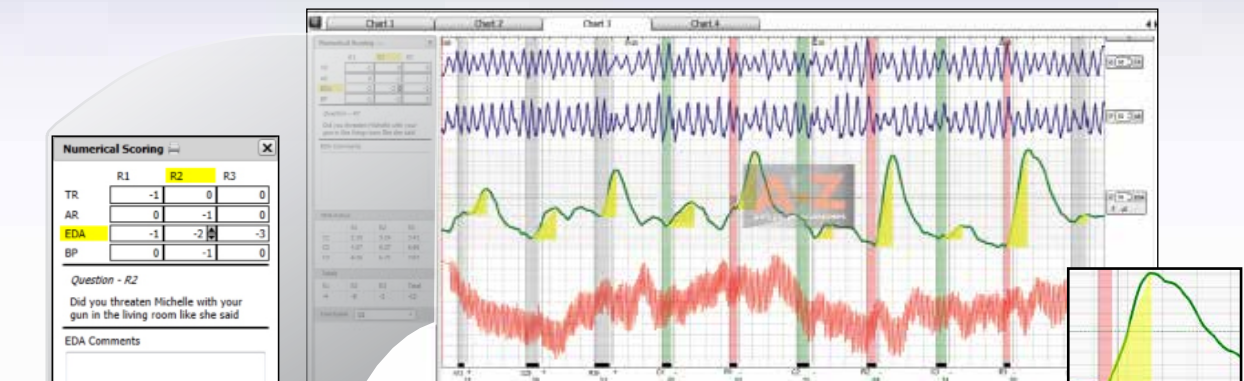
- Easily generate custom reports with our exclusive Report Wizard
- Create custom report templates
- Compatible with any Word Processor that supports OpenDocument format

Dynamic Importing Capabilities

Users of older versions of CPS are able to import their existing subject files into Fusion, which will then convert the data into our new Fusion format. You will immediately notice how much more clear and vibrant your charts look. In addition, **you can also import Axciton, Lafayette, or Limestone data into Fusion** as long as it was exported in pREFORMAT.



Scientifically-Validated Scoring Algorithms



On-screen Numerical Scoring

- Dynamic user measurement tools
- Instantly reports precise ratios of all spots on each channel to assist in comparing reactions between relevant and comparison questions
- New examiner conclusion section
- Enter spot-specific comments regarding score assignment or integrity of data
- Keeps running total of spot scores and grand total score
- Use computer highlighted reactions for comparing your score to computer scores

Highlights Algorithm Scoring Window

Report includes numerical scoring for questions, charts and channels

Numerical Scores for Questions

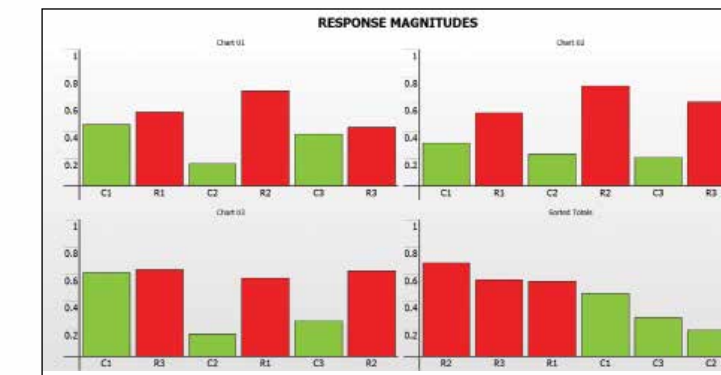
Question	N	Total
R1	12	-4
R2	12	-9
R3	12	-2

Numerical Scores for Charts

Chart	N	Total
01	12	-3
02	12	-10
03	12	-2

Numerical Scores for Channels

Channel	N	Total
Thoracic Respiration	9	1
Abdominal Respiration	9	1
Electrodermal	9	-12
Cardiovascular	9	-5



Response Magnitudes

- Provides relative strength of reaction to any type of question in bar graph form
- Examiner can look at one spot, one chart, entire exam or any combination they desire
- Use with all polygraph techniques including (POT, CIT, and R&I)
- Great tool for getting confessions

Probabilities

Charts: 2, 3, 4

Prior Probability of Truthfulness: .5000

Questions	N	Truthful Probability	Deceptive Probability
R1	3	0.0975	0.9025
R2	3	0.0173	0.9827
R3	3	0.0995	0.9005
Combined	9	0.0134	0.9866

Utah Probability

- **Has outperformed all blind expert polygraph examiners** in every scientifically published study
- **Unbiased** against truthful subjects
- Optimal cutoffs are .70 and .30 for truthful and deceptive decisions
- Get probability for each relevant question or any combination of relevant questions or charts
- **Use for quality control**

For complete details please visit www.StoeltingCo.com.