

LAFAYETTE ANUNCIA LA NUEVA GENERACION DE POLIGRAFOS LX6-S POLYGRAPH SYSTEM

LX6 Features

- Superior Fischer Connectors® brand connections*
- Electronic sensors cannot be incorrectly connected
- Recessed pneumatic ports
- Durable and easy to grip molded cables
- Rugged molded and textured enclosure
- Improved port layout and labeling
- Enclosure weighted and designed for added stability
- 32 Bit data resolution
- Additional AUX port (10-Channels)
- Standard HID USB driver (no FTDI driver required)



- Best in industry electronics and EDA
- Compatible with current LX Software and future Lafayette polygraph software
- Package includes same accessories as current systems
- LX6 exclusive 7-year instrument warranty
- Connections from Fischer Connectors feature a quick release mechanism and are rated for twice the mating cycles of connectors used by other manufacturers.

LX6 System Includes

- LX6 Polygraph Data Acquisition System
- LX Software Bundle with OSS, and APL's Polyscore Scoring Algorithm
- Activity Sensor
- Pneumo Chest Assembly, Silver
- Pneumo Chest Assembly, Blue
- Repositionable/Disposable with 2 Reusable Snap EDA Electrodes
- Exclusive to the LX6, new Blood Pressure Cuff and Pump Bulb
- Targus Backpack

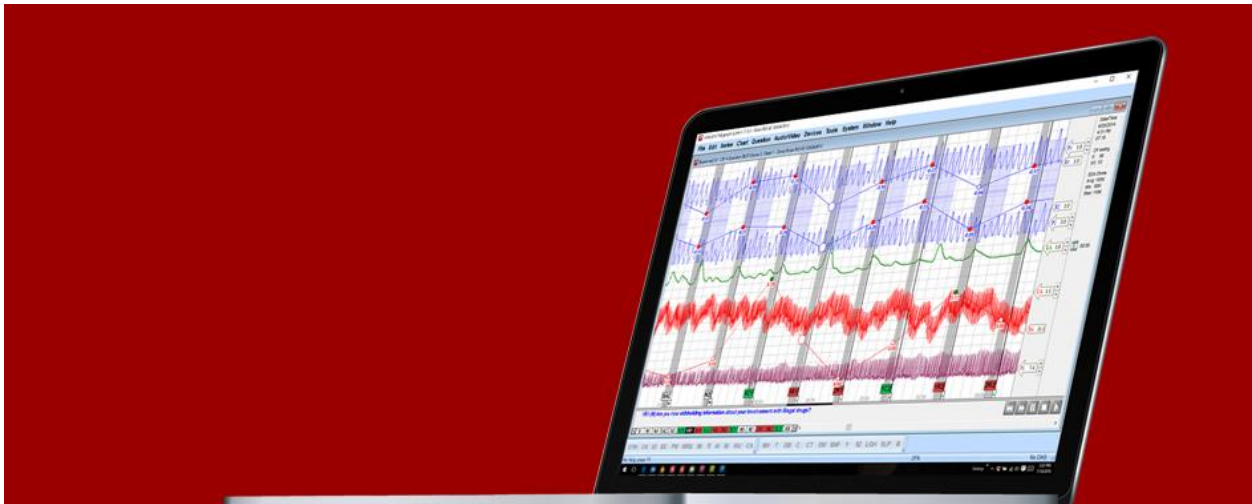
SPECIFICATIONS

- Size: 20.6 x 8.2 x 3 cm
- Isolation: 5000Vrms isolation on all channels
- Enclosure material: ABS
- Power: USB connection
- Data Transfer Rate: 360 samples/second across all channels
- Resolution: 32-bit analog to digital conversion
- Temperature:
 - Operating: 0° to +52° C
 - Storage: -40° to +66°C
- Relative Humidity: 20% to 80% Non-condensating
- Meets ASTM standards
- Enclosure UL 94V-0 rated
- CE certified/meets EMC directive

SENSOR CHANNELS

<u>INPUT</u>	<u>CHANNELS</u>	<u>SPECIFICATIONS</u>
Cardio	1	0 to 140 mmHg
Pneumatic Pneumo	2	Extended pressure range
EDA	2	GSR: 4 μ A constant current, range of 10 k Ω to 2.3 M Ω GSC: range of 5 k Ω to 4.0 M Ω Isolation: additional 2000V _{rms}
PPG	1	PPG finger clip: 0.47 second time constant, 940 nm
Activity Sensor	4	0 to 4 V Analog Input

LX POLYGRAPH SOFTWARE VERSION 11.8



NEW FEATURES

- Updated Drug Reference
- Added Administrative Opinion to the Final Call options
- Lafayette PI-DAS can be used as an EDA sensor
- New Multimedia Bar shows duration of multimedia presented
- Ability to see unique serial number of attached DAS

LX SOFTWARE FEATURES

- Compatible with Windows Vista, Windows 7, 8, and 10
 - Mac support is also available via Parallels® or another virtualization software.
- **New** Respiration Line Excursion (RLE) Tool
 - The RLE tool measures the ratio of the relevant response divided by the comparison response and produces a suggested pneumograph score. As the examiner selects a relevant question, the tool normalizes it to all other questions on the chart and displays the R/C measurement ratio.

- **New** ESS Report Generator
 - Uses scores from the manual score sheet to formulate a printable report and summary conclusion paragraph to describe the test results of event-specific and multi-issue exams.
 - Report includes both a categorical result and a statistical classifier in the form of a p-value, confidence level or odds ratio, and also includes the manual scores and information about test accuracy.
- PLE Pulse Amplitude Tool
 - A virtual sensor derived from the PPG sensor providing a visual comparison of the pulse amplitude changes in the PPG data around the question onsets.
- EDA Design (6) EDA choices (GSR or GSC - Tilt table, detrended, and automatic)
 - Supports the LX5000 GSR or GSC modes
 - Automatic: classical high-pass filter solution to EDA signal processing. Attempts to keep the trace centered on a common baseline.
 - Manual: examiner is in charge of controlling the sensor trace via centering, sensitivity, and slope adjustments. The slope may be adjusted via a slider control under the sensor arrow.
 - Detrended: hands-off solution with extremely high correspondence with the manual EDA. Attempts to keep the trace centered on a common baseline, but the sensor trace is not permitted to dip below its corresponding sensor arrow.