



Secure the Future

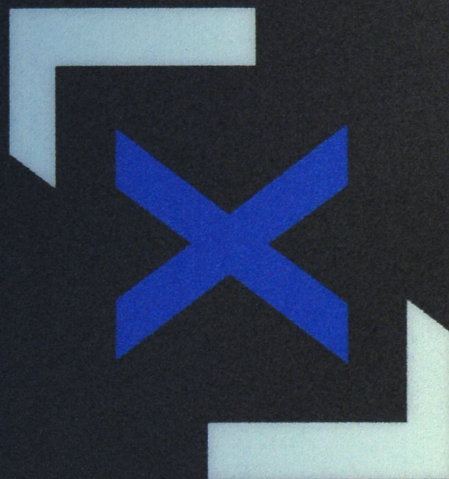
polygraph@lafayetteinstrument.com

www.lafayettepolygraph.com

Modern design sets the LX7 apart.



 Lafayette
INSTRUMENT



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ECG EDA PPG P1 P2 CUFF SEAT AUX1 AUX2 AUX3

LX7

Polygraph System



Expanded Measures. Elegant Design.

The LX7 is our next-generation polygraph system that boasts features designed to elevate accuracy, consistency, and usability in the field.

Specifications

Channels:

11 - 6 Physiological, 4 Auxiliary,
1 Expansion

Size:

8.66" x 3.61" x 1.21"

Power:

USB connection

Isolation:

5000Vrms isolation on all channels

Enclosure material:

ABS/Polycarbonate blend

Resolution:

32-bit analog to digital conversion

Software Compatibility:

LXEdge/LXSoftware

Key Features

■ **Enhanced PPG Sensitivity**

The LX7 features improved detection of subtle, rapid changes in pulse blood volume via the photoelectric plethysmograph (PPG) sensor, delivering more reliable cardiovascular readings across a broader selection of examinees.

■ **New ECG channel for Pulse Arrival Time (PAT) measurement**

Calculates the time between the ECG pulse and PPG waveform providing a time measurement that is directly correlated to blood pressure. Supports research and further development of the PAT measurement as an eventual replacement for the cardio measurement. *Research has found that PAT is as effective as the cardiograph for discriminating between truthful and deceptive people in a polygraph test.*

■ **Expansion port supports future development**

Newly designed sensors already in development. Coming soon!

■ **Modern enclosure design**

Maintaining high quality reliable connectors, the LX7 employs a curved design that improves cable management and organization for a cleaner workspace. Enclosure is built with a polycarbonate blend boasting superior toughness, durability, impact and heat resistance - *we even dropped it off our roof!*

■ **Compatible with LX6 Sensors**

The LX7 supports LX6 sensors allowing an easier and even more cost efficient trade-in!



WANT TO TRADE?

We offer a robust trade-in program accepting many systems for credit toward a Lafayette polygraph



LX6

Polygraph System



LEASE-TO-OWN

You may qualify for a cost-effective lease through the LX6 Lease Program!

Specifications

Channels:

10 - 6 Physiological, 4 Auxiliary

Size:

8.1" x 3.22" x 1.21"

Power:

USB connection

Isolation:

5000Vrms isolation on all channels

Enclosure material:

ABS

Resolution:

32-bit analog to digital conversion

Software Compatibility:

LXEdge/LXSoftware

Proven performance examiners can trust.

Key Features

■ **Extended Channel Support**

The LX6 is Lafayette's 10-channel polygraph system - granting support for an additional auxiliary input to improve the examination process.

■ **Superior Connectors**

Connections feature a quick release mechanism and are rated for twice the mating cycles of connectors used by other manufacturers. Paired with our durable and easy to grip molded cables, these connections are made to support an improved usage period.

■ **Ergonomic Enclosure**

The enclosure is designed to be rugged and intuitive. Equipped with complementary input labels and color coding, the recessed ports can be easily found without additional manipulation.

ParagonX

Polygraph System

Specifications

Channels:

9 - 5 Physiological, 4 Auxiliary

Size:

7.95" x 2.68" x 1.02"

Power:

USB connection

Isolation:

5000Vrms isolation on all channels

Enclosure material:

Polycarbonate

Resolution:

32-bit analog to digital conversion

Software Compatibility:

LXEdge/Polygraph Pro

Reliability and innovation at a competitive price.

Key Features

■ **Industry Leading Sampling Rate**

At native 625 samples per second, per channel, the ParagonX has the highest sampling rate in any polygraph instrument.

■ **Brass Alloy Connectors**

Accurate data acquisition begins with precision connectors. The ParagonX Acquisition System uses only flush mounted connectors for all nine inputs. These medically approved connectors are made of nickel-plated brass and each connector is key-aligned to ensure an easy and concise connection.

■ **High Performance**

With dual channel 32 bit and optical isolation greater than 5000 mv, the ParagonX offers examiners twice the performance of other leading polygraph systems



LXEdge

Software



DOWNLOADS ONLINE

Visit our website to download software updates!

Designed with the future in mind.

Compatibility

Products:

LX7, LX6, ParagonX, Paragon

Operating Systems:

Windows 10+

Key Features

■ Increased Compatibility

No longer strictly compatible with the LX6, LXEdge now supports the LX7 and the Limestone Paragon series of polygraph systems.

■ Modern and intuitive User Interface

Updated interface is easier to learn with enhancements to templates, question sets, and search capabilities, improving operational efficiency while supporting high-resolution and touch screen devices.

■ Updated development framework

Simplified installation and upgrade process with no 3rd party USB drivers. Improved architecture removes need for storing Preference details in restrictive Registry storage.

■ Assisted Scoring

Supports well-known algorithm OSS-3 with capability to grow support to include new assisted scoring options as they become available.

Accessories

LX7 | LX6

9ft EDA with Electrodes	LX-EDA
Standard Kovacic Arm Cuff	LX-CUFF
Rakes Deluxe Forearm Cuff	LX-TAPERED
Forearm Kovacic Arm Cuff	LX-FOREARM
Large Arm Kovacic Arm Cuff	LX-LARGE
Wrist Kovacic Arm Cuff	LX-WRIST
Pump Bulb Assembly	LX-PBKIT
10ft PPG	LX-PPG
Blue Color-Coded Pneumo Assembly	LX-BLUE
Silver Color-Coded Pneumo Assembly	LX-TITANIUM
Activity Sensor Seat Pad	LX-SEAT
Activity Sensor Arm Pads	LX-ARM
Activity Sensor Foot Pads	LX-FOOT
Masseter Headset System	76880HM
Vital Parts Kit	LX-VITAL

Storage

Component Organizer	LX-1070
Backpack	LX-1050BP
Portable Carrying Case	LX-1050

Chairs

Cushioned Portable Subject's Chair	LX-PORTABLE
Vinyl Subject's Chair with Seat, Arm, and Feet Activity Sensors	LX-SENSORCHAIR
Vinyl Adjustable Arm Subjects Chair	LX-CHAIR

ParagonX

10ft EDA with Electrodes	76640-P
Standard Kovacic Arm Cuff	76530-P
Forearm Kovacic Arm Cuff	76531-P
Wrist Kovacic Arm Cuff	76532-P
Finger (Infant Arm) Cuff	76535-P
Palm Style Sphygmomanometer	6-275-0033
7ft PPG	76604-P
Upper Pneumo Assembly	76513-PB
Lower Pneumo Assembly	76513-PT
Activity Sensor Seat Pad	76879S-P
Activity Sensor Arm Pads	76879A-P
Activity Sensor Foot Pads	76879F-P

Chairs

Cushioned Portable Subject's Chair	LX-PORTABLE
Vinyl Adjustable Arm Subjects Chair	LX-CHAIR



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