



[www.lafayetteinstrument.com](http://www.lafayetteinstrument.com)

# *Polygraph Instrumentation*



Call 765.423.1505 · Toll Free 800.428.7545 · E-mail: [poly@lafayetteinstrument.com](mailto:poly@lafayetteinstrument.com)

# Table Of Contents

## Computerized Systems: 2

Software	4
Scoring Algorithms	5
Activity Sensor	6



## Conventional Polygraphs: 7

Recording Modules	10
Accessories	11



## Polygraph Accessories: 13



## General Information: 17

Ordering Information	18
----------------------	----

**The Ultimate in Performance****Hardware Innovations:**

- Our new **USB Interface** enables the LX4000 to communicate with virtually any Windows® based PC computer. This design does not require batteries or external power.
- With **Seven Input Channels** the LX4000 is capable of simultaneously displaying and recording more input signals than any other system.
- The LX4000 is **Small and Compact**, making transporting it even easier.
- The **Redesigned EDA Circuit** has a greater operating range, increased sensitivity and subject isolation.

**Software Innovations:**

- **Video Recording & Playback Capabilities**
- **Expanded Email Support**  
(now works with any email program)
- **Objective Scoring System v. 2.0**
- **Additional Tool Bar Functions**
- **Chart Playback**
- **Lafayette Drug Reference**
- **E-Mail PF**
- **Delete PF**
- **Delete Question Set**
- **Compress & Move PF**

**Minimum Computer System Requirements:**

- IBM PC Pentium I 166MHz or Higher, 64MB RAM, 80MB Hard Drive
- Windows® 98/98SE, 2000, Me & XP®
- Standard VGA, Color Monitor (Active Matrix Display for Laptops)
- Mouse or Compatible Pointing Device
- Available USB Port
- CD-Rom Drive (for Software Installation)

**System Accessories:****The LX4000-SW System Comes With the Following Accessories:**

- LX4000 Data Acquisition System Interface (DAS)
- LXSOFTWARE LX Polygraph Software Including, the Objective Scoring System (OSS) and the Lafayette Drug Reference
- APL's POLYSCORE® Scoring Algorithm
- Comprehensive Instruction Manual on CD-Rom
- 76513-1G Pneumo Chest Assembly, Gold
- 76513-2B Pneumo Chest Assembly, Bronze
- 76640DP GSR Finger Electrode Assembly
- 76530 Standard Blood Pressure Cuff
- 76506LX Pump Bulb and Gauge Assembly
- All Necessary Cabling
- 1 Year Warranty on Accessories

**LX4000 DAS Specifications:**

- **Size:** 10.25"W x 3.25"D x 1.25"H (26.04cm x 8.26cm x 3.18cm)
- **Weight:** 1 pound (454g)
- **Communication Interface:** USB
- **Power Supply Requirements:** Receives All Required Power Through USB Connection
- **Sensor Inputs:**
  - (2) Pneumograph Chest Assembly, +/-80mmHG
  - (1) Cardio Arm Cuff, 0 to 110mmHG
  - (1) EDA, Current Applied to Skin 3.6275µA, 0 to 4VDC  
Range: 10Kohms to 1.05Mohms  
Isolation: 1500V RMS
  - (3) Auxiliary Input, 0 to 4V Analog Input
- **Temperature:** Operating: 50°F to 95°F (10°C to 35°C)  
Storage: -40°F to 115°F (-40°C to 46.1°C)
- **Relative Humidity:** 20% to 95% Non-condensating
- **3 Year Warranty on the DAS Unit**



# LX4000-505 & LX4000-605 Computerized Polygraph Systems



*Computer hardware and software may change without notice depending on availability.  
Please call for the latest configurations and specifications.*

Whether you are a seasoned computer user or a beginner, our Windows™ integrated system software makes our computerized system completely “user friendly”. Both the **LX4000-505** Laptop system and the **LX4000-605** Desktop system will provide you with a dependable, technologically advanced and easy to use instrument.

## Each Laptop/Desktop system comes complete with:

- Laptop/Desktop  
(Call for spec sheets)
- DAS Interface
- LX Software
- Printer  
(Portable or Desktop)
- Recording attachments
- All necessary cabling
- Extensive User's Manual on CD-Rom
- Our DAS has a 3 year limited warranty on all parts and labor

## Some of the benefits of the LX4000 computerized polygraph systems include:

- Fully integrated POLYSCORE™ and OSS scoring algorithms
- Integrated security password and system lockout
- High resolution, real-time graphic display of physiological wave forms
- Windows™ integrated software allows point and click navigation
- Fully integrated word processing template for report capabilities
- Extensive built-in help program with tutorial and trouble shooting sections
- View, score and print charts without the DAS interface attached
- Capable of real-time printing
- Numeric chart evaluation templates
- Lafayette Drug Reference written by Dr. Catherine B. Wilmore, Ph.D., Department of Pharmaceutical Sciences, University of Maryland at Baltimore.

## Each Laptop/Desktop system comes complete with either a portable or desktop printer:

### Pentax PocketJet II Portable Thermal Printer Model LX-1575

This small, portable printer uses roll thermal paper, **Model LX-1575TCP**, to print laser-quality reports and continuous real-time charts. The optional paper stand, **Model LX-1575STD**, is recommended. The PocketJet II weighs just over a pound and is 2.17"W x 10.4"L x 1.18"H.



### Desktop Printer Model LX-1580

This HP™ printer uses sheet or banner paper to print color reports and continuous real-time charts.





# LX Computerized Polygraph Software

## Model LXSOFTWARE

Windows-based since 1994, our systems offer unparalleled ease of use and proven reliability. Over the last 10 years we have continued to add capability and functionality that no one else offers. Our dedicated development staff ensures that you receive the best product possible. Our customers are our most valued source for new ideas. This is evident in the new and improved features that you will find below:

### *New Features:*

- Video Recording & Playback Capabilities
- Expanded Email Support (now works with any email program)
- Objective Scoring System v. 2.0
- Additional Tool Bar Functions
- Chart Playback
- and many others...

### **Polygraph Folder:**

Individual folders are created for each subject. These folders contain all personal information, charts and reports. Folders can easily be compressed and e-mailed to other locations.

### **Question List:**

Templates can be created by the examiner to store frequently used question lists, eliminating repetitive typing. Any testing technique can be used. Question lists can be pre-programmed in any order for each chart the examiner wishes to record. With our new spell check feature you can eliminate spelling errors within your questions, background information and reports.

### **Recording Physiological Data:**

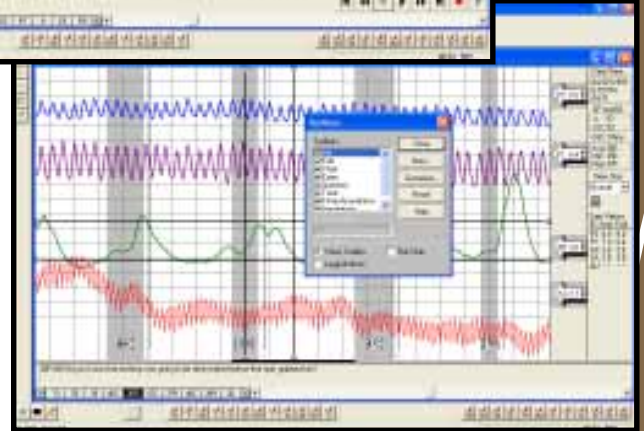
Physiological responses are displayed in real-time and may be printed simultaneously (with the appropriate printer) or after chart collection. All adjustments to centering and sensitivity are permanently marked and easily identified on the recorded chart.

### **Artifact Notation:**

The examiner can easily mark up to 24 different artifact notations during chart collection with a simple key stroke or mouse-click. Chart notations (comments) can be added post-test and are printed when the chart is printed.

### **Printing Charts:**

Charts can be printed in real-time, as they are being collected (with the appropriate printer), or any time after the test. All necessary test information is



### **Scoring:**

Many scoring algorithms are now available, including; POLYSCORE®, developed by the Applied Physics Lab (APL) at Johns Hopkins University, Objective Scoring System (OSS), Identifi, developed by Keith Hedges, and Quantitative Evaluation System (QuEst). Both POLYSCORE® and OSS come standard with our system at no extra charge. In addition to computer scoring, our software comes equipped with scoring sheets that allow the examiner to store numeric chart evaluations. Our system allows multiple score sheets to be recorded.

### **User List:**

Multiple users can be added to a User List allowing more than one examiner to utilize the same system. Only authorized users are allowed access to the program. Once logged in, the examiner's name will be recorded in all appropriate locations.

### **Help Program:**

A context sensitive help program including a tutorial and a troubleshooting section makes the system easy to learn and utilize.

### **Final Report Template:**

User definable report templates for three different word processing programs are included. Choose from Microsoft Write®, included with Windows®-based operating systems, MS® Word® or Word® Perfect®.

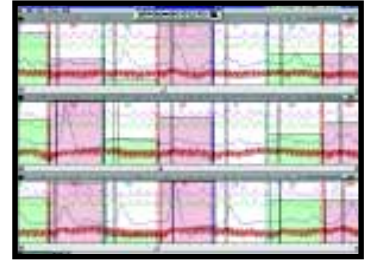
# Polygraph Scoring Algorithms

## POLYSCORE® Polygraph Software

Applied Physics Laboratory at Johns Hopkins University

### Model POLYUPGRD

The latest version of POLYSCORE® is now Windows®-based for ease of use. It allows you the ability to view and print stacked charts. Another feature that examiners will find valuable, is the on-screen color-coded bar graph display. This feature makes it very easy to graphically display reaction strengths, allowing for easy public/novice interpretation. Additionally, by upgrading to this version of POLYSCORE®, current LX users will now be able to fully utilize all of its previously unavailable features.



POLYUPGRD

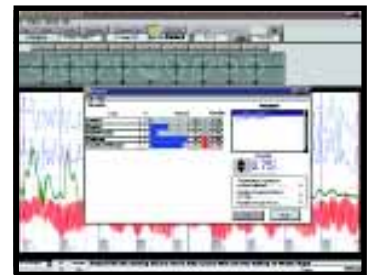
## QuEst Polygraph Software

Computerized Polygraph Analysis Software

Designed by Polygraph Examiners FOR Polygraph Examiners

### Model LXQUEST

Quantitative Evaluation System (QuEst) allows the examiner to analyze charts without the computer making an interpretation of truth or deception. QuEst graphically displays relative reaction strengths with color-coded bar graph or hodograph. It will analyze any question format, and offers selectable analysis times. Individual standardized charts may be viewed in a variety of time continuums, allowing the examiner a more detailed analysis or a global view.



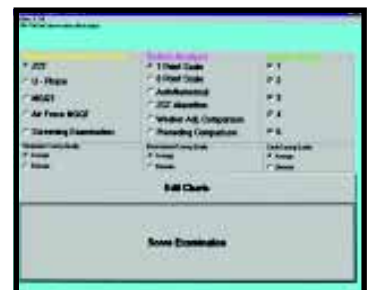
LXQUEST

## Identifi Polygraph Software

Computerized Polygraph Analysis Software Now Available to LX Software Users

### Model IDENTIFI

Identifi is now available for the first time to Lafayette users. It scores charts utilizing a three-or seven-position scale. An examiner may choose to analyze relevant questions against weaker adjacent or preceding comparison questions. This algorithm will score many different examination types, including screening tests such as pre-employment and security examinations. Identifi allows the examiner the ability to choose either automated auto-numerical scoring or examiner scoring.



IDENTIFI

## Objective Scoring System - OSS (Not Shown)

### Manual Numeric Scoring Method (Standard with LX4000 System Software)

OSS is a manual numerical scoring method developed for evidentiary applications. It allows virtually perfect agreement among multiple scorers and it is possible to estimate accuracy from these scores. While the OSS uses far fewer criteria for evaluating data than other systems, it requires scrupulous attention to the scoring protocol to deliver these advantages over traditional 7-position scoring. Not only is this second opinion important, but having an empirical foundation for the analyses that support your conclusion would go a long way toward your credibility in court.

# LX4000 Activity Sensor



## Piezo Activity Sensor Model 76878 PI/US

The Lafayette Activity Sensor, Model 76878US is an accessory to the Lafayette Instrument LX4000 computerized and conventional polygraphs. It is designed to detect subtle movements as well as gross movements of a subject during a polygraph examination. By providing a graphic record of subject movement, the Activity Sensor allows the polygraph examiner to concentrate on administering the exam instead of trying to observe the subject's movement. The Activity Sensor is designed to detect movements through piezo sensors mounted in a silicone mold. The sensor pouch is located under the seat of the subject. As the subject moves, pressure changes are detected from the pouch. The Activity Sensor is constructed with multiple piezo sensors to detect movement over the entire area of the seat. Unlike the previous weight sensing Activity Sensors, this unit provides automatic zeroing of the measurement range independent of the subject's weight. It also eliminates the "out of measurement range" problem that frequently occurred on the old Activity Sensor.



Piezo Activity Sensor Model 76878 PI/US with DAS Unit

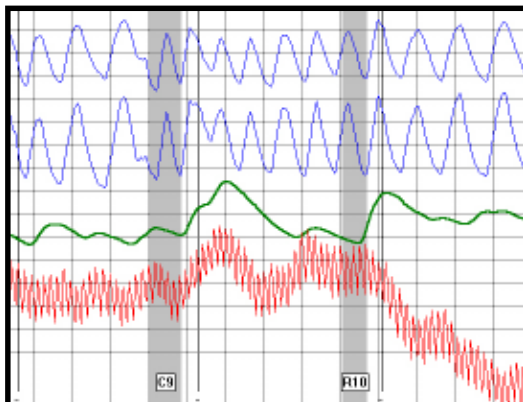


Chart without sensor tracing

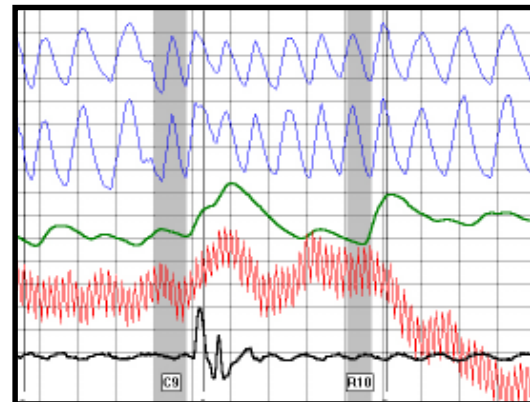


Chart with sensor tracing

The Activity Sensor is a precision instrument capable of detecting very slight subject movement. With the sensitivity of the polygraph set high, the Activity Sensor may detect heartbeats or respiration signals on some subjects. Although the Activity Sensor is very sensitive, its design is kept simple for ease of operation and to provide many years of trouble-free operation. The Activity Sensor plugs into the auxiliary input. When operating with the LX4000, any one of the auxiliary jacks may be used. Once the subject is seated in the chair, the signal can be centered and magnified using the same computer control used on the standard four polygraph signals.



Piezo Activity Sensor Model 76878US with DAS Unit & Portable Subject's Chair Model 76877

Because of Lafayette's unique design, the activity sensor can be used on almost any subject chair. Simply lay the pouch on the seat of the chair. Please note that the pouches are only protective covers for the internal silicone mold. During packing and unpacking please **DO NOT LIFT THE SENSOR FROM THE CABLE**. It is possible to tear the silicone mold.

### System Measurements:

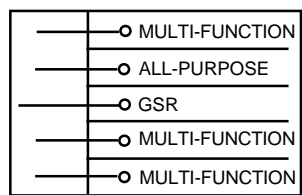
**Weight:** 2.4lbs

**Dimensions:** 12.5" x 15.5" x .5"

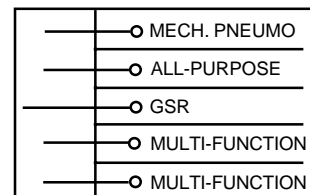
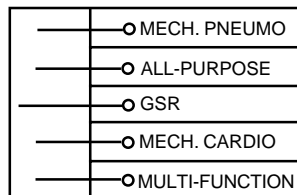


# Conventional Polygraphs

## 5-Pen All Electronic Polygraphs



## 5-Pen Polygraphs



(Diagram A)

(Diagram B)

Top panel/module layout for all models listed below:

### Statesman

#### Inking

Model 761-96SA (Black)

#### Thermal

Model 761-65SA (Black)

### Statesman

#### Inking

Model 761-95SA (Black)  
(See Diagram A)

### Statesman

#### Inking

Model 761-61SA (Black)  
(See Diagram B)

### Factfinder II

#### Inking

Model 762-96SA (Black)

### Factfinder II

#### Inking

Model 762-95SA (Black)  
(See Diagram A)

### Factfinder II

#### Inking

Model 762-61SA (Black)  
(See Diagram B)

### Courier II

#### Inking

Model 763-98GA (Gold)

### Courier II

#### Inking

Model 763-99GA (Gold)  
(See Diagram A)

### Courier II

#### Inking

Model 763-71GA (Gold)  
(See Diagram B)



# Conventional Polygraphs

## 4-Pen All Electronic Polygraphs

<input type="checkbox"/>	<input type="radio"/> MULTI-FUNCTION
<input type="checkbox"/>	<input type="radio"/> ALL-PURPOSE
<input type="checkbox"/>	<input type="radio"/> GSR
<input type="checkbox"/>	<input type="radio"/> MULTI-FUNCTION

## 4-Pen Polygraphs

<input type="checkbox"/>	<input type="radio"/> MECH. PNUEMO
<input type="checkbox"/>	<input type="radio"/> MECH. PNUEMO
<input type="checkbox"/>	<input type="radio"/> GSR
<input type="checkbox"/>	<input type="radio"/> ALL-PURPOSE

Top panel/module layout for all models listed below:

**Statesman**  
**Inking**  
Model 761-69SA (Black)

**Thermal**  
Model 761-64SA (Black)

**Statesman**  
**Inking**  
Model 760-56SA (Black)

---

**Factfinder II**  
**Inking**  
Model 762-69SA (Black)

**Factfinder II**  
**Inking**  
Model 762-56SA (Black)

---

**Courier II**  
**Inking**  
Model 763-92GA (Gold)

**Thermal**  
Model 763-92GAH (Gold)

**Courier II**  
**Inking**  
Model 763-76GA (Gold)

# Conventional Polygraphs

Each instrument comes with a one year warranty on all parts and labor. With each four- or five-pen instrument you will receive the following standard accessories: two pneumo chest assemblies, GSR electrode set, standard Kovacic arm cuff, pump bulb assembly, pens and bottles for each recording module, one extra ink bottle, pen pad, ink filler, ink, tool kit, two rolls of chart paper and an instruction manual. Other optional accessories include auto power conversion, in-case calibrator, various styles of event markers and thermal writing capabilities.

## The Statesman

Zero® case, the clean Halliburton lines are enhanced by the black morocco grain finish. The case is high-impact thermo-formed ABS plastic to ensure durability. (Total weight: 21.5lbs. or 24.5lbs. with calibrator. Dimensions: 13"W x 21"L x 6.5"D).



## The Factfinder II

The 10" chart drive allows five pens to be used simultaneously with greater pen swing. The practice of "pigeon toeing" the outside pens on a five-pen polygraph is no longer necessary and charts are easier to read because of reduced tracing overlap. This leaves plenty of room for important notations. Every Factfinder II maintains all of the quality and conveniences of our standard 8" chart drive models. Available only in a Statesman case, no thermal models are available.

## The Courier II

Our newest conventional case style offers a gold anodized look and compact size. The case was designed with the traveling examiner in mind. The lid is designed with plenty of storage space and includes an in-case calibrator. The case is made of exceptionally strong, deep-drawn aluminum that resists dents and is also dust and weather resistant. (Total weight: 21.5lbs. Dimensions: 13"W x 18"L x 6.5"D).



# Recording Modules



## Multi-Function Ink Model 76476G      Multi-Function Thermal Model 76490GH

The Multi-Function electronic amplifier contains a solid-state pressure transducer to provide you with maximum sensitivity in all modes of operation. This module is capable of recording 4 different parameters, Cardio 1, Cardio 2, Aux., Pneumo.



## All-Purpose Ink Model 76477G      All-Purpose Thermal Model 76491GH

All of the parameters recorded with the Multi-Function amplifier, plus GSR, can also be recorded with the All-Purpose amplifier. The All-Purpose amplifier can save time, money and aggravation should a malfunction occur with your regular GSR module.



## GSR Ink Model 76480G      GSR Thermal Model 76480GH

This amplifier provides you with the widest pen swing of any GSR available. With its 6" pen excursion, this GSR allows the most linearity possible by diminishing the arc and enhancing amplification. It also provides the added interpretive benefit, in the manual mode, of recording those all-important basal responses.



## GSG Ink Model 76483G      GSG Thermal Model 76483GH

This electronic amplifier gives new stability, reliability and sensitivity to Galvanic Skin Response recording and can be used in place of the current GSR amplifier. With the conductance amplifier, the examiner will find that responses for a given sensitivity are approximately the same from the first to last chart, regardless of changes in a subject's baseline.



## Mechanical Pneumograph Ink Model 76473G

Designed with a one-piece stainless steel pen shaft containing calibration linkage to provide increased sensitivity. The O-Ring and bombe jewel bearing system are exclusive features which maintain low friction while providing lateral support for the pen shaft. It offers independently adjustable top and bottom pen stops on the under panel, allowing the examiner to set pen stops regardless of the modules' position in the top panel.



## Mechanical Cardiograph Ink Model 76474G

This module has a newly designed bell crank assembly that now allows you greater sensitivity without the previous restriction of pen movement. This feature combined with the low friction bombe jewel bearing system gives a mechanical recording unmatched by any other mechanical component. Independently adjustable pen stops have also been added to this module.



## Conventional Accessories

### PLE Coupler Model 76599

The PLE (Plethysmograph) Coupler is designed for use with any electronic multiple function amplifier to give the examiner the option to select the time constant which provides the most useful recording with each subject. A total of four capacitively coupled (AC) modes are available with time constants of 0.1, 0.5, 1.0 and 5.0 seconds. A (DC) mode is also available with controls for balance and trace restore.



### Heart Rate Monitor Model 77068

The Heart Rate Monitor, when used in conjunction with any electronic multiple function amplifier, is designed to be used as an independent monitoring device that produces a permanent recording of increases and decreases in the subject's heart rate. An LED light flashes synchronously with each beat of the heart. A 5 beat-per-minute calibration push button is provided and also serves as a battery test button during operation. A mode selector is available for recording either beat-to-beat or average heart rate. A 9V battery is included.



### Electronic Stimulus Marker

**Model 76351GE Courier II, Statesman - Inking**  
**Model 76351GEH (Not Shown) Courier II, Statesman - Heat**  
**Model 76351GET (Not Shown) Factfinder II - Inking**

This half-space module is powered by a 9V battery and features an initiate push button. It can be used in any inking, 8" chart, 4-pen instrument. **Model 76351GEH** can be used with only 4-pen thermal instruments. Ink bottle and pen included. Note: When placing an order specify mounting preference (upper or lower).



### Pneumatic Event Markers

**Model 76351GL Lower Mount**

**Model 76351GU Upper Mount (Not Shown)**

These stimulus markers are available for permanent installation in any 4-pen inking polygraph. The stimulus unit and ink bottle are permanently mounted in a half-space module measuring 0.875"W x 8.5"L which mounts easily in the recording section of your polygraph as a standard module. Ink bottle and pen included.

### Pneumatic Event Marker Kits

**Model 76351GB Lower Mount**

**Model 76351GT Upper Mount (Not Shown)**

With the Pneumatic Event Marker Kit, marks are made silently along the edge of the chart with a handy remote push button. The event marker is shipped complete with necessary parts and an installation kit that includes double-sided adhesive to secure the marker to the instrument.





# Conventional Accessories

## Chart Paper

Lafayette offers the highest quality chart paper available. This includes our standard 8" paper, **Model 76730**, with 0.25" divisions; our 8" paper, **Model 76370**, with 0.1" divisions; our 8" thermal paper, **Model 76731**; and our 10" paper, **Model 76732**. All are exclusively designed for Lafayette Instrument.



## Paper (Shown Above)

<b>Model 76730</b>	<b>8" Standard</b>
<b>Model 76731</b>	<b>8" Thermal</b>
<b>Model 76732</b>	<b>10" Factfinder II</b>
<b>Model 76370</b>	<b>8" with 0.1" Rules</b>

## Paper Spindles (Not Shown)

<b>Model 76747G</b>	<b>8" Spindle</b>
<b>Model 76747GT</b>	<b>10" Spindle</b>

## Ink (Shown Above)

<b>Model 76698BLU</b>	<b>4oz. Blue Ink</b>
<b>Model 76698GRN</b>	<b>4oz. Green Ink</b>
<b>Model 76698RED</b>	<b>4oz. Red Ink</b>
<b>Model 76699BLU</b>	<b>1 Pint Blue Ink</b>
<b>Model 76699GRN</b>	<b>1 Pint Green Ink</b>
<b>Model 76699RED</b>	<b>1 Pint Red Ink</b>

## Ink Filler, Stainless Steel

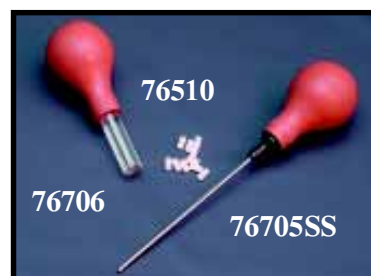
**Model 76705SS**

## Ink Siphon

**Model 76706**

## Protective Pen Caps, (set of 10)

**Model 76510**



## Ink Bottle Bits Kit

**Model 76748B (Not Shown)**

Includes 10 O-ring seals for **Model 76756G** ink bottles and 10 pieces of capillary tubing.

## Replacement Tool Kit

**Model 76748 (Not Shown)**

For all gold series polygraphs. Includes valve core tool, 2 valve cores, 2 spare fuses, 2 O-rings for quick disconnect, 3 pen caps, 3 pieces of pen cleaning wire, 3 allen wrenches and an assortment of screws.

## Overlays for Desk Mounted Polygraphs (Not Shown):

**Model 76780C Courier II Case**

**Model 76780S Statesman Case**

These overlays are designed to match your polygraph and give it the appearance of being permanently installed in a desk.

## Auto Power Conversion

**Model 76151AP (Not Shown)**

When plugged in it automatically switches between 110/220V and 50/60Hz.

# Polygraph Accessories

## Calibrator

### Model 76740

This stand-alone Calibrator is a precision instrument designed to test the operating efficiency of all makes and brands of polygraphs, including our computerized polygraph systems. It is capable of checking the pneumo, cardio and GSR/GSG components against factory standards.



76740



## PLE Coupler

### Model 76599LX LX3000

### Model 76599US LX4000

The PLE Coupler is designed for use with the LX2000/LX4000 computer polygraph. A total of three capacitively-coupled modes are available with time constants of 0.1, 1.0 and 5.0 seconds to give the examiner the option to select the time constant which provides the most useful recording with each subject.

## Conventional Vital Parts Kits (Not Shown)

### Model 76713P56G Statesman, Factfinder II

### Model 76713P56D Courier II

### Model 76713PH Thermal Statesman

### Model 76713PHD Thermal Courier II

Kits Include: Appropriate GSR Electrode Cable, Pneumo Chest Assembly (gold), Standard Kovacic Arm Cuff, Appropriate CPA & GSR Pen Stylus, Rubber Tubing (7'), Tool Kit (vent, allen wrenches, screws, fuse, etc.). Ink Filler, Bottle, Cap and Tubing with inking models only.



## Computer Vital Parts Kits

### Model 76713DLX LX3000/4000

### Model 76713LX LX2000 (Not Shown)

Kits Include: Appropriate GSR Electrode Cable, Pneumo Chest Assembly (gold), Standard Kovacic Arm Cuff, Quick Connect/Disconnect O-Ring Bits Kit.

## Quick Disconnect O-Ring Bits Kit

### Model 76748O (Not Shown)

Includes 20 O-Ring seals for quick disconnects and a tool for installation.

## Vent Manifold Bits Kit

### Model 76748T (Not Shown)

Includes 10 valve cores for vent manifold assembly and a valve core tool for installation.

# Polygraph Accessories



## Adjustable Arm Subject's Chair

### Model 76871 Fabric

### Model 76871V Naugahyde

The subject's chair is built to orthopedic standards to ensure proper posture and back support. T-frame legs provide maximum stability while adjustable armrests are a one-piece design making this section solid, requiring less hardware. The chair is available in durable grey Herculon® fabric with black naugahyde trim or covered completely in black naugahyde. Shipping weight: 115lbs.

- New design allows us to ship the chair unassembled via ground or air shipment instead of via truck only in two boxes this will save you almost \$100 in shipping charges and enable faster delivery
- The chair comes with all the tools that are required and is easily assembled in a matter of a few minutes



76871



76877

## Portable Subject's Chair

### Model 76877

This chair is especially useful for the examiner whose profession takes him into many unknown field testing situations. This new folding chair design is more durable and easier to transport than the old 76872 portable subject's chair and is rated at a higher weight capacity. The chair folds easily, will fit in a vehicle for transport and weighs only 18.5lbs.

# Computerized Transport

## Carrying Case/Cart

### Model LX-1055 (Not Shown)

This is the ultimate case for the traveling computer user. It is great for those long walks through the airport. There is plenty of room for your complete computer polygraph system. The three section exterior accordion file holds your work papers and business files. The exterior also has pockets for many miscellaneous items. Sturdy construction and telescoping handle will allow you to carry all of your equipment safely and easily.

## Carrying Case

### Model LX-1050 (Not Shown)

This lightweight durable case has many compartments and will easily store the complete computer polygraph system along with all accessories. This case has reinforced corners and padded walls to protect your equipment during travel.

## Storage Pouch

### Model LX-1045 (Not Shown)

This pouch has six pockets with velcro latches to keep all of your accessories protected and organized when you travel. The pouch can be folded and fits neatly into either of our cases.



# Polygraph Accessories

## Pneumo Chest Assembly

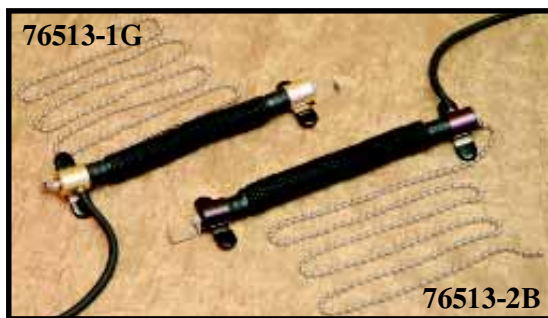
**Model 76513-1G Gold**

**Model 76513-2B Bronze**

## Pneumo Beaded Chain Extender

**Model 76513BC (Not Shown)**

Only the finest quality materials are used for this pneumo which is 0.75" in diameter, 13" extended and 8" relaxed. There is a 46" beaded chain and 7' of rubber tubing. The gold and bronze designation given above refers to the quick connect/disconnects which are fitted to the tubing for easy application and removal of hoses. A 45" Pneumo Chain Extender may also be purchased.



## Pediatric Pneumo Chest Assembly (Not Shown)

**Model 76513-1K Gold**

**Model 76513-2K Bronze**

Same high quality as above and measures 0.75" diameter- 8" extended and 5.25" relaxed.

## Velcro Pneumo Assembly

**Model 76513NM7 (Not Shown)**

We have replaced the beaded chains on **Model 76513-1G** and **Model 76513-2B**, with a 46" velcro strip, for ease of use and added subject comfort.

## Pneumo Repair Kit

**Model 76513RK (Not Shown)**

## Convoluting Tube

**Model 76515**

The Pneumo Repair Kit includes a rubber band insertion tool, general purpose adhesive, convoluted tube, 7' of rubber tubing, 2 rubber bands, 4 rubber feet, 2 quick connects, 2 stay pins, 0.0625" pin punch and instructions.

## Pump Bulb Assembly, Conventional

**Model 76506**

This assembly includes a pump bulb with bleed valve, plastic locking pinch clip, rubber tubing and a bronze quick connect.

## Pinch Clip

**Model 76506PC**



## Pump Bulb Assembly, Computer

**Model 76506LX**

This sphygmomanometer assembly includes a pump bulb with bleed valve, plastic locking pinch clip, rubber tubing and a bronze quick connect.

## Kovacik Arm Cuff 23-35 cm Standard

**Model 76530**

Our patented Kovacic style cuff eliminates problems associated with a loosely wrapped cuff and ensures that the cuff does not shift away from the brachial artery during application. Unique Velcro tab and cuff aperture technique provides a tight "double wrap". Other sizes of this cuff include:

**Model 76531 Forearm Cuff**

**Model 76532 Wrist Cuff**

**Model 76534 Large Arm Cuff**





# Polygraph Accessories

## GSR Finger Electrode Set

**Model 76640 Factfinder II, Statesman, LX2000**

**Model 76640DP (Not Shown) Courier II, LX3000/4000**

The Lafayette finger electrode set has been redesigned for maximum efficiency and serviceability. A simple pin jack connects the cables to the finger plates. The finger plates are made of stainless steel and are fitted with Velcro tape.



## Replacement Cable and Plug

**Model 76643 Statesman, Factfinder II, LX2000**

**Model 76643DP Courier II, LX3000/4000**

## GSR Finger Electrode Replacements

**Model 76642**

## Ag/AgCl GSG Finger Electrode Assembly

**Model 76623PD Courier II, LX3000/4000**

## Ag/AgCl GSG Finger Electrode Assembly

**Model 76623P Statesman, Factfinder II, LX2000**

The Lafayette Ag/AgCl (silver/silver chloride) finger electrode set is designed for maximum flexibility as well as a sensitive, stable and more accurate GSR/GSG tracing.



## Thumb Transducer Set

**Model 76520**

The Thumb Transducer Set is used as an alternate method of recording the cardio pattern. The unique design of the transducer consists of a flexible inner bladder which is covered with a durable, easy-to-clean, metal outer shell. Each set comes with three different size transducers to be used with different sized subjects on either the thumb or index finger. The inside diameter of each is 0.8125", 0.9375", and 1.0625". To be used in conjunction with any electronic multiple function amplifier.

## Replacement Liner Kit

**Model 76525**

Replacement Liner Kit for thumb transducer set.

## Adhesive Disks 100 pieces

**Model 76623AD (Not Shown)**

## Electrode Gel 4 ounce

**Model 76623G (Not Shown)**

## Prep Pads 100 pieces

**Model 76623PP (Not Shown)**

Sensors can either be attached to the examinee's fingers via velcro tape or to the palm of the hand using **Model 76623AD**, **Model 76623G** and **Model 76623PP**.

## Rubber Tubing, 7' length

**Model 76700**

## Quick Connect/Disconnect, Bronze

**Model 76508 (Not Shown)**

## Quick Connect/Disconnect, Gold

**Model 76509 (Not Shown)**

## Notes:

# Ordering Information

## LIC Worldwide Headquarters:

Call: 765.423.1505  
Toll-Free 1.800.428.7545 (USA only)  
Fax: 765.423.4111  
E-mail: [poly@lafayetteinstrument.com](mailto:poly@lafayetteinstrument.com)  
[export@lafayetteinstrument.com](mailto:export@lafayetteinstrument.com)  
Write: Lafayette Instrument Company  
P.O. Box 5729  
Lafayette, IN 47903 USA  
Ship: 3700 Sagamore Parkway N.  
Lafayette, IN 47904 USA

## LIC European Headquarters:

Call: +44 1509 817700  
Fax: +44 1509 817701  
E-mail: [mail@campden-inst.com](mailto:mail@campden-inst.com)  
Write/Ship: Campden Instruments  
4 Park Road, Sileby,  
Loughborough. LE12 7TJ. UK

Please include the following information on all orders: (Phoned orders must be followed by a hard copy.)

- 1) Complete billing and shipping addresses
- 2) Name and department of end user
- 3) Model number and description of desired item(s)
- 4) Quantity of each item desired
- 5) Purchase order number or method of payment
- 6) Telephone number

## DOMESTIC TERMS

There is a \$50 minimum order. Open accounts can be extended to most recognized educational institutions, hospitals and government agencies. Net amount due 30 days from the date of shipment. Enclose payment with the order; charge with VISA, MasterCard, American Express; or pay COD. We must have a hard copy of your order by mail or fax. Students, individuals and private companies may call for a credit application.

## INTERNATIONAL PAYMENT INFORMATION

There is a \$50 minimum order. Payment must be made in advance by: draft drawn on a major US bank; wire transfer to our account; charge with VISA, MasterCard, American Express; or confirmed irrevocable letter of credit. Proforma invoices will be provided upon request.

## EXPORTS

If ordering equipment for use outside the USA, please specify the country of ultimate destination, as well as the power requirements (110V/60Hz or 220V/50Hz). Model numbers for 220V/50Hz will have a “\*C” suffix.

## QUOTATIONS

Quotations are supplied on an as-requested basis. Written quotations will include the price of goods, plus estimated shipping and handling if requested. Quotations are good for 30 days; following that time, prices are subject to change. In such a case, please ask us to requote your order.

## EXCHANGES and REFUNDS

Unaccepted merchandise may be returned for credit *only* if we have been consulted and have issued prior authorization. The merchandise should be packed well, insured for the full value and returned along with a cover letter explaining the reason for return. Merchandise may be returned prepaid within thirty (30) days after receipt of the item and in the original shipping carton. Collect shipments will not be accepted. Unit must be returned in saleable condition, and credit is subject to inspection of the merchandise. Customer may be assessed a restocking fee of up to 20%.

## RETURNS

**Equipment may not be returned without first receiving a Return Goods Authorization Number (RGA).**

When returning equipment for service, please call Lafayette Instrument to receive a RGA number. Your RGA number will be good for 30 days. Address the shipment to: Lafayette Instrument Company, 3700 Sagamore Parkway North, Lafayette, IN 47904, USA. Shipments cannot be received at the PO Box. The items should be packed well, insured for full value, and returned along with a cover letter explaining the malfunction. Please also state the name of the Lafayette Instrument representative authorizing the return. An estimate of repair will be given prior to completion **ONLY** if requested in your enclosed cover letter. We must have a hard copy of your purchase order by mail or fax, or repair work cannot commence.

## WARRANTY

Lafayette Instrument guarantees its equipment against all defects in materials and workmanship to the ORIGINAL PURCHASER for a period of one (1) year from the date of shipment, unless otherwise stated. During this period, Lafayette Instrument will repair or replace, at its option, any equipment found to be defective in materials or workmanship. If a problem arises, please contact our office for prior authorization before returning the item. This warranty does not extend to damaged equipment resulting from alteration, misuse, negligence or abuse, normal wear or accident. In no event shall Lafayette Instrument be liable for incidental or consequential damages. There are no implied warranties or merchantability of fitness for a particular use, or of any other nature. Warranty period for repairs or used equipment purchased from Lafayette Instrument is 90 days.

## DAMAGED GOODS

**Damaged equipment should not be returned to Lafayette Instrument prior to thorough inspection.**

When a shipment arrives damaged, note damage on delivery bill and have the driver sign it to acknowledge the damage. Contact the delivery service, and they will file an insurance claim. When damage is not detected at the time of delivery, contact the carrier and request an inspection within 10 days of the original delivery. Please call the Lafayette Instrument Customer Service Department for a return authorization for repair or replacement of the damaged merchandise.

## EXPORT LICENSE

The U.S. Department of Commerce requires an export license for any polygraph system shipment with an **ULTIMATE** destination other than: ***Australia, Japan, New Zealand or any NATO Member Countries excluding the Czech Republic, Hungary and Poland.*** It is against U.S. law to ship a Polygraph system to any other country without an export license. If the ultimate destination is not one of the above listed countries, contact us for the required license application forms.

*As our catalogs are referred to by our customers for many months, we reserve the right to change prices without notice. Prices may vary between our ads and our catalogs. Product description, typographic, pricing and photographic errors are unintentional and subject to correction. Products are available in both 110V/60Hz or 220V/50Hz. The material presented in this publication is copyright-protected and may not be reproduced in any form, by any method, for any purpose without the prior written consent of Lafayette Instrument Company. ©2001 by Lafayette Instrument Company*

***Lafayette Instrument continues to serve these product areas:***

- **Polygraph**
- **Reaction / Anticipation Timing**
- **Motor Behavior**
- **Strength Measurement**
- **Range of Motion & Anthropometrics**
- **Sensory Perception**
- **Dexterity**
- **Visual & Auditory Tests**
- **Exercise Physiology**
- **Physiological Recording**
- **Biofeedback**
- **Evaluation & Assessment**
- **Animal Science**

***Please contact us for more information about all of our products.***



3700 Sagamore Parkway North  
P.O. Box 5729 • Lafayette, IN 47903 USA  
Tel: 765.423.1505 • 800.428.7545  
Fax: 765.423.4111  
E-mail: [poly@lafayetteinstrument.com](mailto:poly@lafayetteinstrument.com)  
[www.lafayetteinstrument.com](http://www.lafayetteinstrument.com)

