

SISTEMA DE ANÁLISIS DE DATOS

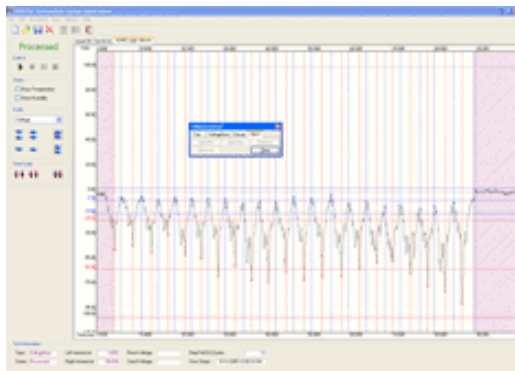
Measure, Record, Analyze & Report
Electrostatic Voltage Generation
and Decay Performance.

Prostat PGA-710 Autoanalysis System



Simplifies Electrostatic Analysis

The PGA-710 is a unique electrostatic data analysis device for use with Prostat's PFK-100 Fieldmeter/Charge Plate Monitor Set. It records, plots, analyzes and automatically constructs reports of body voltage generation, electrostatic decay, voltage retention, ionizer performance and other static measuring functions. Its analytical features document and automatically calculate projected levels of typical Human Body (HBM) voltages.



[Sign Up for a free Demo of the Autoanalysis System](#)

Sign Up for a free download software and use it to analyze four (4) supplied demonstration files recorded with the PGA-710. The software includes all the basic feature you will receive with your new PGA-710 Autoanalyzer.



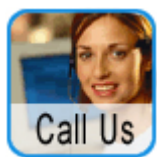
[View different screenshots of the Applications Software](#)

Get a closer look at the PGA-710 Autoanalysis with the different screenshots of the Applications Software.



[Learn more about the PGA-710 Autoanalysis System](#)

Learn more about the PGA-710 Autoanalysis System by viewing screenshots of the Applications Software, it's specifications and system requirements. You can also read real testimonials from satisfied customers.



[Call us today to place your order or to speak with an expert](#)

Place your order today by calling one of our sales representative or to speak with an Applications Engineer.

SISTEMA DE ANÁLISIS DE DATOS

Este sistema nos proporciona las siguientes ventajas:

1. Graba los valores medidos
2. Plasma la evolución del tiempo de descarga, gráficamente y simultáneamente con las medidas.
3. Analiza los datos obtenidos
4. Genera informes
5. Construye e imprime informes completos incluyendo la Temperatura y HR durante cada medida.
6. Etc.



Applications

- Decay Performance
- Production Aids & Materials
- Production Aids
- Footwear and Flooring Combinations
- Carts and Chairs
- Packaging Materials & Systems
- Worksurface Voltage Suppression
- Ionization Offset Voltage
- Record Process Equipment Field Voltage

Contents

- [PGA-710 Autoanalyzer with installed rechargeable battery](#)
- PGA-710 USB Cable
- PGA-710 Analog Cable
- PGA-710 Charge Generation Lead
- [PRS-801CIC Computer Input Cable](#)
- PGA-710 CC Input Shorting Shunt
- PFA-861-H Hand Wand
- PGA-710 Application Software
- Operator's Manual
- How To Measure Manual
- Options:**
- [PFK-100 Field Meter Set](#)

System Requirements

- Microsoft® Windows® 98, NT® 4.0 Service Pack 6a, 2000, ME, XP or Server 2003.
- 90 MHz Intel Pentium-class processor, or an AMD Opteron, AMD Athlon64 or AMD Athlon XP Processor
- 32 MB of RAM, 96 MB Recommended
- 110 MB of hard disk space required, 40 MB additional hard disk space required for installation (150 MB total)
- 800 x 600 or higher-resolution display with 256 colors
- Microsoft® Data Access Components 2.6
- Microsoft® DirectX 9b
- Instrument input limits to ± 2 volts

Simplifies Electrostatic Analysis

- The PGA-710 is a unique electrostatic data analysis device for use with Prostat's PFK-100 Field-meter & Charge Plate Monitor Set.
- It records, plots, analyzes and automatically constructs reports of:
 - body voltage generation,
 - electrostatic decay,
 - voltage retention,
 - ionizer performance
 - and other static measuring functions.
- Its analytical features document and automatically calculate projected levels of typical Human Body (HBM) voltages.
- It helps determine the risk of equaling or exceeding damaging or hazardous HBM discharge voltages in static sensitive facilities.
- The Autoanalyzer links to a Field meter's analog output and lap top computer's USB using provided cables.
- Its Autoanalysis Applications software converts your instruments into a digital chart recording system with automatic analysis and reporting features.
- The PGA-710 will:
 - perform measurement and recording functions,
 - perform data analysis,
 - generate charts,
 - then construct and print out complete reports, including the facility's ambient temperature and relative humidity during each test.
- The PGA-710 can be used as a freestanding data logger or recorder for later downloading to your computer.
- It will communicate with your computer via USB or RS-232 COM port.
- The PGA-710's unique software will instantly perform mathematical and statistical functions to assist ESD Program Managers and Plant Auditors in defining strengths and weaknesses of the ESDS device transport and handling process. The PGA-710 will calculate the 3-Sigma ranges of Walking and Standing body voltages in your facility, graphically plot the percent probability of equaling or exceeding specific body voltages in the process, and calculate the maximum, minimum and average of voltage generation or decay times.

- **Size:**
5.0 in (12.7 cm) L x 2.8 in (7.1 cm) W x 1.35 in (3.4 cm) H
- **Weight:**
6.5 ounces (185 grams)
- **Input:**
<±2 Volts
- **Output:**
USB and IR
- **Sampling Rate:**
50, 100 and 200 Samples per second
- **File Limit:**
17 to 20 minutes per file, continuous recording
- **Battery Consumption Notes:**
PGA-710 current flow with Main Power Switch **ON**:
 - During **Sleep Mode** (Main Power Battery Switch ON, unit OFF): 8 – 10ma
Panel key pad is energized and unit is in standby mode.
 - During **Normal Operations**: 108ma
Unit is operating in remote or computer mode
 - **Computer USB Battery Charge**: 100ma
Operating in computer mode and receiving 100ma current from USB port reduces battery drain rate to 8ma.
 - **Battery Charge** from AC/DC Charger: 280ma
Charge battery with Main ON, OFF, or during operations,
 - **Temperature & Relative Humidity Sensor:**
Factory Parameters:
 - Sensor calibration is “fixed” based on materials, components and construction. It combines capacitive-polymer sensing technology with a measurement method that eliminates temperature correction and end user calibration. Once manufactured, the sensor’s calibration is not directly adjusted. The unit performs within parameters ±2% accuracy. Specifications are:
 - **Temperature**
Range: -30 to + 85oC (-22oF to 185oF)
Accuracy: ± 0.40 oC (»1 oF)
Response Time: 50 seconds in slow moving air
 - **Humidity**
Operating Range: 0 – 100 percent (%)
Accuracy: ±2.0% Rh, 0-100% non-condensing
Linearity: ±0.5% Rh
Response Time: 25 sec-slow moving air 25oC (77 oF)
Recovery Time (from Condensation): 10 seconds
Stability: ±0.5% Rh/year

PROSTAT[®] PGA-710 Autoanalysis System Set



is a unique electrostatic data analysis device for use with Prostat's meter/Charge Plate Monitor Set. *It records, plots, analyzes and automatically constructs reports of body voltage generation, electrostatic decay, voltage divider performance and other static measuring functions.* Its analytical features document and automatically calculate projected levels of typical Human Body (HBM) voltages. It helps determine the possibility of or exceeding damaging or hazardous HBM discharge voltages in static sensitive facilities.

The Autoanalyzer links to a Field meter's analog output and lap top computer's USB using provided cables. Its Autoanalysis Applications software converts your instruments into a digital chart recording system with automatic analysis and reporting features. The PGA-710 will perform measurement and recording functions, perform data analysis, generate charts, then construct and print out complete reports, including the facility's ambient temperature and relative humidity during each test.

PGA-710 AUTOANALYSYS SYSTEM SPECIFICATIONS

Size:	5.0 in (12.7 cm) L x 2.8 in (7.1 cm) W x 1.35 in (3.4 cm) H
Weight:	6.5 ounces (185 grams)
Input:	<±2 Volts
Output:	USB and IR
Sampling Rate:	50, 100 and 200 Samples per second
File Limit:	17 to 20 minutes per file, continuous recording

Battery Consumption Notes: PGA-710 current flow with Main Power Switch **ON**:

1. During **Sleep Mode** (Main Power Battery Switch ON, unit OFF): 8 – 10ma
Panel key pad is energized and unit is in standby mode
2. During **Normal Operations**: 108ma
Unit is operating in remote or computer mode
3. **Computer USB Battery Charge**: 100ma
Operating in computer mode and receiving 100ma current from USB port reduces battery drain rate to 8ma.
4. **Battery Charge** from AC/DC Charger: 280ma
Charge battery with Main ON, OFF, or during operations,

Temperature & Relative Humidity Sensor:

Factory Parameters:

Sensor calibration is “fixed” based on materials, components and construction. It combines capacitive-polymer sensing technology with a measurement method that eliminates temperature correction and end user calibration. Once manufactured, the sensor’s calibration is not directly adjusted. The unit performs within parameters $\pm 2\%$ accuracy. Specifications are:

Temperature

Range	-30 to + 85°C (-22oF to 185oF)
Accuracy	± 0.40 °C (≈ 1 °F)
Response Time	50 seconds in slow moving air

Humidity

Operating Range	0 – 100 percent (%)
Accuracy	$\pm 2.0\%$ Rh, 0-100% non-condensing
Linearity	$\pm 0.5\%$ Rh
Response Time	25 sec-slow moving air 25°C (77 °F)
Recovery Time (from Condensation)	10 seconds

Stability $\pm 0.5\%$ Rh/year

PGA-710 AUTOANALYSYS SYSTEM SOFTWARE SYSTEM REQUIREMENTS

The following hardware and software is required to run the Autoanalysis Application Software.

- Microsoft[®] Windows[®] 98, NT[®] 4.0 Service Pack 6a, 2000, ME, XP or Server 2003.
- 90 MHz Intel Pentium-class processor, or an AMD Opteron, AMD Athlon64 or AMD Athlon XP Processor
- 32 MB of RAM, 96 MB Recommended
- 110 MB of hard disk space required, 40 MB additional hard disk space required for installation (150 MB total)
- 800 x 600 or higher-resolution display with 256 colors
- Microsoft[®] Data Access Components 2.6
- Microsoft[®] DirectX 9b
- Instrument input limits to ± 2 volts

Note: Providing over ± 2 volts to the PGA-710 Autoanalyzer will void the warranty. For appropriate adapters or cables, please contact Prostat Corporation or your Prostat Authorized Reseller.