PROSTAT®

PGA-710B Autoanalysis System

Features

USE IT WITH YOUR FIELD METER

The PGA-710B 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.

CREATE DETAILED REPORTS

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 connects 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-710B will perform measurement and recording functions, provide data analysis, generate charts, then construct and print out complete reports, including the facility's ambient temperature and relative humidity during each test.

Note: Laptop and Tablet not included

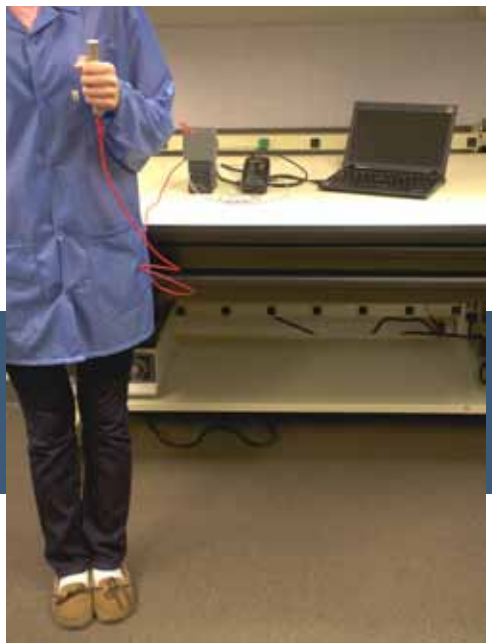
FREESTANDING DATA LOGGER OR THROUGH USB

The PGA-710B can be used as a freestanding data logger or recorder for later downloading to your computer. It will communicate with your computer via its USB port.

CALCULATES THE ±3-SIGMA

The PGA-710B'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-710B 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.



COMPATIBLE WITH WINDOWS 8 AND 64-BIT

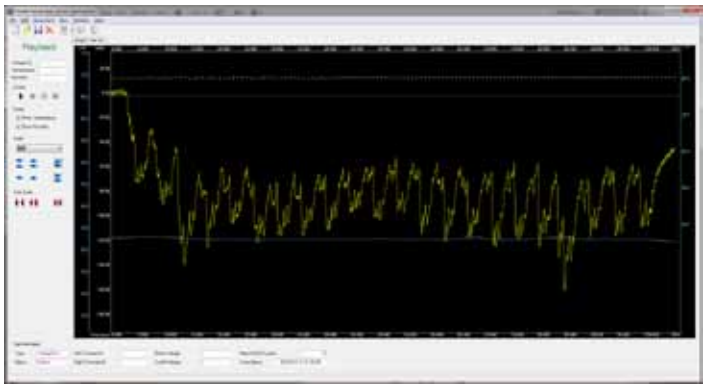
The PGA-710B is a versatile instrument whose use and benefits are limited only by one's imagination. The PGA-710B is now compatible with 32-bit and 64-bit version of Windows from XP all the way to Win8.

Windows 8
Windows RT
Compatible

Video of the Walking Test using the PGA-710B Autoanalysis is available at:
www.prostatcorp.com/autoanalysis-system-set

MEASURE, RECORD, ANALYZE & REPORT ELECTROSTATIC VOLTAGE GENERATION AND DECAY PERFORMANCE

- Analyze Footwear & Flooring Combinations: Records personnel walking voltages in accordance with ANSI/ESD STM 97.2 Body Voltage measurements as required by ANSI/ESD S 20.20 ESD Program Standard
- Test & Audit Ionizers: Records and analyses ionization offset and decay time in accordance with ANSI/ESD SP 3.3 and ANSI/ESD STM 3.1 and generates performance reports
- Other Equipment Applications include voltage generation of chairs, carts and process equipment
- Records voltage data at 50, 100 or 200 samples per second
- File recording time at 50 samples/second is 14 minutes
- Has internal memory for remote data recording, allows downloading at a later time
- Operates on its own rechargeable battery, which recharges from your computer or supplied AC/DC charger
- Accepts up to 2.0 volts from any instrument analog output



COMPLIES WITH ANSI/ESD S20.20 AND IEC-61340-5-1 REQUIREMENTS

WHAT'S INCLUDED

- PGA-710B Autoanalyzer
- PGA-710 USB Cable
- PGA-710 Analog Cable
- PGA-710 Charge Generation Lead
- PGA-710CC Input Shorting Shunt
- Custom Carrying Case
- PFA-861-H Hand Wand
- Autoanalysis Application Software v 2.0
- User Manual
- How to Measure Manual

Technical Specifications

INPUT	<±2 Volts
OUTPUT	USB
SAMPLING RATE	50, 100 and 200 Samples per second
FILE LIMIT	17 to 20 minutes per file, continuous recording
BATTERY CONSUMPTION NOTES	PGA-710B 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
TEMPERATURE	Range: -30 to + 85°oC (-22°F to 185°F) Accuracy: ± 0.40 °C (»1 °F) Response Time: 50 seconds in slow moving air
DIMENSIONS	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 oz. (185 gr)

SYSTEM REQUIREMENTS
• Microsoft® Windows® XP, Vista, Win7 32-bit, Win7 64-bit, Win8 32-bit, Win8 64-bit, Server 2003, Server 2008 or Server 2012 • 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) • 1024 x 768 with 256 colors • Microsoft® Data Access Components 2.6 • Microsoft® DirectX 9b • Instrument input limits to ± 2 volts