

TECHNICAL DATA

PGA-712

Autoanalysis System



Product Highlights

- Connects to a Field Meter and Charge Plate Monitor
- Records Walking Voltages per ANSI/ESD STM 97.2 and IEC 61340-4-5
- Analyzes Offset and Decay Times of Ionizers per ANSI/ESD SP3.3 and ANSI/ESD STM3.1
- View Voltages in real time on your computer with the included Autoanalysis Software
- Professional Reports include Minimum, Maximum and Average of Voltage Generation or Decay Times
- Powered by a USB
- Built-in temperature and humidity sensor

What's included

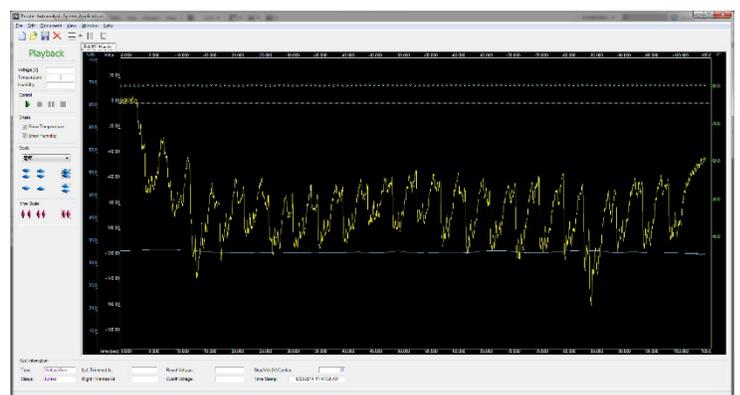
- PGA-712 Autoanalysis Data Converter
- 700-001 USB-C Cable – 3 feet (1 meter)
- 700AC Analog Connection Cable
- PGA-710CGL 5Ft Charge Generation Test Lead
- PGA-710CC Calibration Shunt
- PFA-861H Hand Held Electrode
- PFM-700C Zipper Case
- Prostat Autoanalysis Software
- NIST Traceable Calibration Certificate with Data

Measure, Record, Analyze & Report Electrostatic Voltage Generation and Decay Performance per ANSI/ESD STM97.2 and IEC 61340-4-5

The PGA-712 is a unique electrostatic data analysis system for use with the PFK-100B Field Meter and Charge Plate Monitor set. It records, plots, analyzes and automatically constructs report of walking body voltage generation per ANSI/ESD STM97.2, electrostatic decay, voltage transients and retention, ionizer performance and other static measuring functions.

Its analytical features document and automatically calculate projected levels or 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 PGA-712 Data Converter links to a Field Meter's analog output and a computer's USB port. The Prostat Autoanalysis software converts the set of instruments into a digital chart recording system with automatic analysis and reporting features. The system will perform measurement functions, data analysis, generate charts, then create and print out reports, including ambient temperature and relative humidity during each test.



PGA-712 Autoanalysis Data Converter

General Specifications	
Range	0 to $\pm 20,000$ Volts ¹
Input	$< \pm 2$ Volts
Circuit Accuracy	$< \pm 1\%$
Interface	USB 2.0
Sampling Rate	50, 100 and 200 Samples per second
File Limit	≈ 1 to 15 minutes per file, continuous recording at 50 samples/second ≈ 7 minutes at 100 samples/second 3.5 minutes at 200 samples/second
USB Connector	USB-C
Power	Via USB
Compatibility	Windows® 10+ ²
Material	Plastic
Length	2.756" (70 mm)
Width	1.969" (50 mm)
Height	0.787" (20 mm)
Weight	1.2oz (34g)
Warranty ³	2-Year Limited Warranty

¹ When connected to a PFM-711A or PFM-711B Field Meter.

² Compatibility may vary depending on user's hardware configuration and operating system.

³ Providing over ± 2 Volts to the PGA-712 Data Converter will void the warranty.

Temperature & Relative Humidity Sensor

Characteristics	
Temperature Accuracy	$\pm 2^\circ\text{F}$ ($\pm 1^\circ\text{C}$)
Relative Humidity Accuracy	$\pm 10\%$

Output Accuracy

Voltage	Accuracy
100 Volts	$\pm 5\%$
1000 Volts	$\pm 1\%$
10.00 kV	$\pm 1\%$
20.00 kV	$\pm 1\%$

Ordering Information

Part No.	Description
PGA-712	Autoanalysis System Set
PGA-710	Walking Test System Kit
PFC-252	Professional Floor Certification Kit
PPA-400	Process Analysis Kit

Optional Accessories

Part No.	Description
PGA-710CGL	Charge Generation Lead
700AC	Analog Cable
PGA-710CC	Input Shorting Shunt
PFA-861H	Hand Held Electrode
700-001	USB 2.0 A to USB-C Cable
Q007B	Common Point Ground Connector
PFM-700C	Zipper Case

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